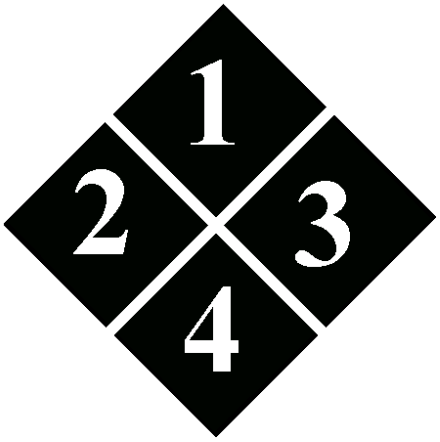
STP 9-35H14-SM-TG

SOLDIER'S MANUAL/ TRAINER'S GUIDE

TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE) MAINTENANCE SUPPORT SPECIALIST

SKILL LEVELS



MOS 35H

DECEMBER 2002

DESTRUCTION NOTICE: This publication supersedes STP 9-35H14-SM-TG dated February 1991

HEADQUARTERS, DEPARTMENT OF THE ARMY

*SOLDIER TRAINING
PUBLICATION
No. 9-35H14-SM-TG

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 23 December 2002

SOLDIER'S MANUAL and TRAINER'S GUIDE

MOS 35H

Test, Measurement, and Diagnostic Equipment (TMDE) Maintenance Support Specialist

Skill Levels 1, 2, 3 and 4

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PREFACE

This soldier training publication (STP) is intended for soldiers holding MOS 35H, Skill Levels 1, 2, 3, 4 and their supervisors, trainers, and commanders. It contains a MOS Training Plan providing information needed to plan, conduct, and evaluate unit training, one of the most important jobs of military leaders. It includes standardized training objectives in the form of task summaries that can be used to train and evaluate soldiers on critical tasks supporting unit missions during wartime.

Soldiers holding MOS 35H should have access to this publication. Trainers and firstline supervisors should actively plan for soldiers' access, making it available in work areas, unit learning centers, and unit libraries. However, it is not intended for an individual copy to be provided to each MOS holder. The STP is obtainable on line from the Reimer Digital Library (RDL) at http://www.adtdl.army.mil/atdls.htm.

Tasks in this manual apply to both Active and Reserve Component soldiers.

The proponent of this publication is HQ TRADOC. Submit comments and recommendations on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Department of the Army, Training Directorate, Ordnance Training Division, ATTN: ATCL-AO, 401 First Street, Suite 225, Fort Lee, VA 23801-1511.

Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to men.

CHAPTER 1

Introduction

1-1. General. This soldier training publication (STP) identifies individual MOS training requirements for soldiers holding MOS 35H. Commanders, trainers, and soldiers should use it to plan, conduct, and evaluate individual training in units. The STP is the primary MOS reference for supporting self-development, evaluating MOS proficiency, and training of 35H soldiers. Commanders employ two primary methods to evaluate soldiers' proficiency:

- Commander's evaluation. Commander's evaluations are local tests or assessments of soldiers' performance of MOS-specific and common tasks critical to the unit mission. They may be conducted year-round.

- Common task test (CTT). CTTs are hands-on tests used to evaluate proficiency on common tasks. Alternate written tests are provided if equipment is not available for hands-on testing.

This publication is the soldier's primary reference to prepare for a commander's evaluation of MOS-specific tasks. It contains task summaries for all critical tasks specific to the MOS and skill level (SL). Commanders and trainers will use this soldier's manual/trainer's guide (SM/TG) to plan and conduct training and commander's evaluations.

Chapter 2, Trainer's Guide, contains information needed to plan training requirements for this MOS. The trainer's guide

- Identifies subject areas in which soldiers must be trained.

- Identifies critical tasks for each subject area.

- Specifies where soldiers are initially trained on each task.

- Recommends how often each task should be trained to sustain proficiency.

- Recommends a strategy for cross-training soldiers.

- Recommends a strategy for training soldiers to perform higher-level tasks.

Use this STP along with STP 21-1-SMCT (Soldier's Manual of Common Tasks, Skill Level 1), STP 21-24-SMCT (Soldier's Manual of Common Tasks, Skill Levels 2-4), Army training and evaluation programs (ARTEPs), FM 25-4 (How to Conduct Training Exercises), FM 25-5 (Training for Mobilization and War), FM 25-100 (Training the Force), and FM 25-101 (Battle-Focused Training) to establish effective training plans and programs that integrate soldier, leader, and collective tasks.

1-2. Task Summaries. Task summaries outline wartime performance requirements for each critical task in the STP. They provide both soldier and trainer with the information necessary to prepare, conduct, and evaluate critical task training. As a minimum, task summaries include information soldiers must know and skills they must perform to standard for each task. Following is the task summary format:

- Task number. The task number is a 10-digit number that identifies the task and skill level. Include the task number and title in any correspondence relating to the task.

- Task title. The task title identifies the action to be performed.

- Conditions. The task conditions statement describes the field or garrison conditions under which the task will be performed and identifies the equipment, tools, references, job aids, and supporting personnel that the soldier needs to perform the task in wartime.

- Standards. The task standards describe how well and to what level of proficiency the soldier must perform the task under wartime conditions. Standards are typically expressed in terms of accuracy, completeness, duration, sequence, speed, and tolerance.

- Performance measures. This section identifies specific actions that the soldier must accomplish to complete the task successfully. Performance measures appear in a GO/NO-GO rating format for easy evaluation. Some tasks may also include detailed training information in a Training Information Outline and an Evaluation Preparation Section. The Evaluation Preparation Section indicates necessary modifications to task performance in order to train and evaluate a task that can not be trained to the wartime standard under wartime conditions. It may also include special training and evaluation preparation instructions to accommodate these modifications and any instructions that should be given to the soldier before evaluation.

- References. This section identifies references that provide more detailed explanations of task performance requirements than are given in the task summary.

- Warnings. Warnings alert users to the possibility of immediate personal injury or equipment damage.

- Notes. Notes provide additional supportive explanations or tips relating to task performance.

1-3. Soldier's Responsibilities. Each soldier is responsible for performing individual tasks identified by the first-line supervisor based on the unit's mission-essential task list (METL). Soldiers must perform tasks to the standards included in the task summary. If soldiers have questions about tasks or which tasks in this manual they must perform, they are responsible for asking their first-line supervisor for clarification. First-line supervisors know how to perform each task or can direct soldiers to appropriate training materials, including current field manuals, technical manuals, and Army regulations. Soldiers are responsible for using these materials to maintain performance. They are also responsible for maintaining performance of all common tasks listed in the SMCTs at their current skill level and below.

Periodically, soldiers should ask their supervisor or another solder to check their performance to ensure that they can perform the tasks.

1-4. NCO Self-Development and the STP. Self-development is a key component of leader development. Leaders follow planned, progressive, sequential self-development programs developed by the individual NCO and his or her first-line supervisor to enhance and sustain military competencies. Self-development consists of individual study, research, professional reading, practice, and self-assessment. The self-development concept requires NCOs, as Army professionals, to take responsibility for remaining current in all phases of their MOS. The STP is the NCO's primary source for maintaining MOS proficiency.

Another important resource for self-development is the Army Correspondence Course Program (ACCP). Refer to DA Pamphlet 351-20 (Army Correspondence Course Program Catalog) for detailed eligibility requirements and enrollment information. The catalog is available at local education centers or on line through the Army Institute for Professional Development (AIPD) web site, . The web site offers on-line enrollment.

1-5. Commander's Responsibilities. Commanders must ensure that their unit training plans prepare the unit for war by enabling soldiers to develop and sustain proficiency in their MOS and skill level tasks. Commanders should design unit training programs to provide individual training for all soldiers assigned to the unit and to evaluate soldier proficiency routinely as part of the commander's evaluation program. The unit training program should also integrate individual training with crew drills and other collective

training. The MOS training plan provides information on which to base integration, cross-train, train-up, and sustainment training programs. Commanders should use the MOS training plan when developing unit training plans.

1-6. Trainer's Responsibilities. Training is the business of all unit leaders. First-line leaders are the principal trainers in the unit because they directly supervise soldiers and lead crews, squads, sections, and teams.

Trainers can use the MOS training plan to determine the critical tasks each soldier is responsible for. They should tell each soldier which tasks he or she must be able to perform. Trainers should evaluate task performance to determine which tasks each soldier can or cannot perform to standard. Soldiers who cannot perform a task to standard need further training. This STP helps the trainer do what trainers get paid to do Train. Developing effective training is explained in detail in FM 25-100 and FM 25-101.

Every task summary in this STP includes performance measures, which trainers may use year-round to determine if soldiers can perform critical tasks to the specified standards. The performance measures identify what the trainer needs to observe to score a soldier's performance. A blank space is provided for the trainer to check either the GO or NO-GO column for each performance measure. Some tasks require the trainer to watch the soldier perform them (evaluate the process). Other tasks call for the trainer to focus on the results of the soldier's performance (evaluate the product). Comments should not be written on the task summary.

Trainers can monitor the progress of their soldiers by recording task go/no-go results. Trainers may use DA Form 5164-R (Hands-On Evaluation) to record the performance measures a soldier passed or failed. The form, which may be locally reproduced, applies to all tasks in this STP. Trainers may have DA Form 5164-R over printed with information unique to their training requirements before reproducing it. See Appendix A of this STP for a sample DA Form 5164-R with instructions.

- Trainers may use DA Form 5165-R (Field Expedient Squad Book) to record hands-on go/no-go results for a group of soldiers (for example, a crew, section, or squad) having the same MOS and skill level. This form supports conduct of commander's evaluations, and can be used to record training results gathered in the field during slack time for all MOSs and skill levels. Use of this form is optional. See Appendix B for a sample DA Form 5165-R with instructions. Trainers should work with each soldier until tasks can be performed to specific task summary standards.

1-7. Training Support. References have been identified for each task to assist in planning and conducting training. A consolidated list of references identified by type, publication number, and title and a comprehensive glossary of acronyms, abbreviations, and definitions are included in this STP.

CHAPTER 2

Trainer's Guide

2-1. General. The MOS Training Plan (MTP) identifies the essential components of a unit training plan for individual training. Units have different training needs and requirements based on differences in environment, location, equipment, dispersion, and similar factors. Therefore, the MTP should be used as a guide for conducting unit training and not a rigid standard. The MTP consists of two parts. Each part is designed to assist the commander in preparing a unit training plan which satisfies integration, cross training, training up, and sustainment training requirements for soldiers in this MOS.

Part One of the MTP shows the relationship of an MOS skill level between duty position and critical tasks. These critical tasks are grouped by task commonality into subject areas.

Section I lists subject area numbers and titles used throughout the MTP. These subject areas are used to define the training requirements for each duty position within an MOS.

Section II identifies the total training requirement for each duty position within an MOS and provides a recommendation for cross training and train-up/merger training.

- **Duty Position column**. This column lists the duty positions of the MOS, by skill level, which have different training requirements.
- **Subject Area column**. This column lists, by numerical key (see Section I), the subject areas a soldier must be proficient in to perform in that duty position.
- **Cross Train column**. This column lists the recommended duty position for which soldiers should be cross trained.
- **Train-up/Merger column**. This column lists the corresponding duty position for the next higher skill level or MOSC the soldier will merge into on promotion.

Part Two lists, by general subject areas, the critical tasks to be trained in an MOS and the type of training required (resident, integration, or sustainment).

- **Subject Area column**. This column lists the subject area number and title in the same order as Section I, Part One of the MTP.
- **Task Number column**. This column lists the task numbers for all tasks included in the subject area.
- **Title column**. This column lists the task title for each task in the subject area.
- **Training Location column**. This column identifies the training location where the task is first trained to soldier training publications standards. If the task is first trained to standard in the unit, the word “Unit” will be in this column. If the task is first trained to standard in the training base, it will identify, by brevity code (ANCOC, BNCOC, etc.), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

BNCOC	Basic NCO Course
AIT	Advanced Individual Training
ANCOC	Advanced NCO Course
UNIT	Trained in the Unit
BCT	Basic Combat Course

Figure 2-1. Training Locations

- **Sustainment Training Frequency column**. This column indicates the recommended frequency at which the tasks should be trained to ensure soldiers maintain task proficiency. Figure 2-2 identifies the frequency codes used in this column.

BA	- Biannually
AN	- Annually
SA	- Semiannually
QT	- Quarterly
MO	- Monthly
BW	- Bi-weekly
WK	- Weekly

Figure 2-2. Sustainment Training Frequency Codes

- **Sustainment Training Skill Level column**. This column lists the skill levels of the MOS for which soldiers must receive sustainment training to ensure they maintain proficiency to soldier's manual standards.

2-2. Subject Area Codes.

Skill Level 1

1 Shop Operations and Production Control
2 Direct Current (DC) and Low Frequency
3 Oscilloscopes and Fiber Optic Equipment
4 Signal Generator
5 Microwave and Radio Frequency (RF)
6 Physical-Dimensional and Aviation
7 Radiac
8 Calibration Set 2000 (CALSET 2000)

Skill Level 3

9 Maintenance Operations
10 Maintenance Management

Skill Level 4

11 Senior Maintenance Operations
12 Senior Maintenance Management

2-3. Duty Position Training Requirements.

SKILL LEVEL	DUTY POSITION	SUBJECT AREAS	CROSS-TRAIN	TRAIN-UP/MERGER
1	TMDE Specialist	1 through 8	N/A	35H2 TMDE Sergeant 35H2 TMDE Maint Sergeant
2	TMDE Sergeant	1 through 8	N/A	35H3 Team Chief 35H3 QA/QC TI
	TMDE Maint Sergeant	1 through 8	N/A	35H3 Team Chief 35H3 QA/QC TI
3	Team Chief	1 through 10	N/A	35H4 Sr Team Chief 35H4 QA/QC TI
	QA/QC TI	1 through 10	N/A	35H4 Sr Team Chief 35H4 QA/QC TI
4	Sr Team Chief	1 through 12	N/A	35Y5 Lab Maint Supervisor
	QA/QC TI	1 through 12	N/A	35Y5 Lab Maint Supervisor

2-4. Critical Tasks List.

MOS TRAINING PLAN
35H14

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 1					
1. Shop Operations and Production Control	081-831-1042	Perform Mouth-To-Mouth Resuscitation	UNIT	QT	1-4
	093-35H-1000	Perform Grounding Checks	AIT	QT	1-4
	093-35H-1001	Perform Conductivity Checks	AIT	QT	1-4
	093-35H-1010	Perform TMDE Technical Supply Operations (Software)	AIT	QT	1-4
	093-35H-1020	Perform Automated Production Control Procedures	AIT	QT	1-4
	093-35H-1030	Perform Classification Inspection of TMDE	UNIT	QT	1-4
2. Direct Current (DC) and Low Frequency	093-35H-1100	Operate Work Station Controller	AIT	QT	1-4
	093-35H-1101	Operate Core Work Station	AIT	QT	1-4
	093-35H-1102	Operate Impedance Measuring System	AIT	QT	1-4
	093-35H-1110	Perform Artifact Calibration on Core Work Station	AIT	QT	1-4
	093-35H-1120	Perform Cross Checks	AIT	QT	1-4
	093-35H-1130	Repair Frequency Counter	AIT	QT	1-4
	093-35H-1131	Calibrate Frequency Counter	AIT	QT	1-4
	093-35H-1140	Repair Multimeter	AIT	QT	1-4
	093-35H-1141	Calibrate Multimeter	AIT	QT	1-4
	093-35H-1150	Calibrate Resistance Decade	AIT	QT	1-4
	093-35H-1160	Calibrate Stabilator Test Set	AIT	QT	1-4
	093-35H-1170	Repair Simplified Test Equipment (STE)	UNIT	QT	1-4
3. Oscilloscopes and Fiber	093-35H-1200	Operate Oscilloscope Work Station	AIT	QT	1-4

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Optic Equipment					
	093-35H-1210	Operate Oscilloscope	AIT	QT	1-4
	093-35H-1211	Repair Oscilloscope	AIT	QT	1-4
	093-35H-1212	Calibrate Oscilloscope	AIT	QT	1-4
	093-35H-1220	Operate Fiber Optic Equipment	AIT	QT	1-4
	093-35H-1221	Calibrate Fiber Optic Equipment	AIT	QT	1-4
4. Signal Generator	093-35H-1300	Operate Signal Generator Work Station	AIT	QT	1-4
	093-35H-1310	Operate Signal Generator	AIT	QT	1-4
	093-35H-1311	Repair Signal Generator	AIT	QT	1-4
	093-35H-1312	Calibrate Signal Generator	AIT	QT	1-4
	093-35H-1320	Operate Pulse Generator	AIT	QT	1-4
	093-35H-1330	Calibrate Radio Frequency (RF) Power Sensor	AIT	QT	1-4
	093-35H-1340	Calibrate Attenuator	AIT	QT	1-4
	093-35H-1350	Repair Power Meter	AIT	QT	1-4
	093-35H-1351	Calibrate Power Meter	AIT	QT	1-4
5. Microwave and Radio Frequency (RF)	093-35H-1400	Operate Spectrum Analyzer	AIT	QT	1-4
	093-35H-1401	Repair Spectrum Analyzer	AIT	QT	1-4
	093-35H-1402	Calibrate Spectrum Analyzer	AIT	QT	1-4
	093-35H-1410	Calibrate Radio Test Set	AIT	QT	1-4
	093-35H-1420	Operate High Radio Frequency (RF) Power Measurement System	AIT	QT	1-4
	093-35H-1430	Operate Radar Test Set	AIT	QT	1-4
	093-35H-1431	Calibrate Radar Test Set	AIT	QT	1-4
6. Physical-Dimensional and Aviation	093-35H-1103	Calibrate Linear Measurement Devices	AIT	QT	1-4
	093-35H-1500	Operate Temperature Work Station	AIT	QT	1-4
	093-35H-1501	Calibrate Thermometer	AIT	QT	1-4

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-35H-1510	Operate Force Torque Standard	AIT	QT	1-4
	093-35H-1511	Calibrate Torque Wrench	AIT	QT	1-4
	093-35H-1512	Calibrate Tensiometer	AIT	QT	1-4
	093-35H-1513	Calibrate Weighing Scale	AIT	QT	1-4
	093-35H-1520	Operate Pressure Standards	AIT	QT	1-4
	093-35H-1521	Calibrate Pressure/Vacuum Gauges	AIT	QT	1-4
	093-35H-1530	Calibrate Fuel Quantity Test Set	AIT	QT	1-4
	093-35H-1540	Calibrate Bench System Test Set	AIT	QT	1-4
	093-35H-1550	Calibrate Jet Cal	AIT	QT	1-4
	093-35H-1551	Calibrate Aircraft Weighing Kit	AIT	QT	1-4
	093-35H-1552	Calibrate Aviation Vibration Analyzer	AIT	QT	1-4
	093-35H-1560	Operate a Compressed Gas (Nitrogen) Cylinder	AIT	QT	1-4
	093-35H-1570	Calibrate Pitot Static Tester	AIT	QT	1-4
7. Radiac	093-35H-1600	Operate RADIAC Calibrator Sets	AIT	QT	1-4
8. Calibration Set 2000 (CALSET 2000)	091-52D-1111	Perform Preventive Maintenance Checks and Services on a Generator Set	UNIT	QT	1-4
	551-721-1364	Drive Vehicle With Semiautomatic Transmission	UNIT	QT	1-4
Skill Level 3					
9. Maintenance Operations	093-35H-3000	Prepare Secondary Transfer Set for Mobile Operations	BNCOC	SA	1-4
	093-35H-3010	Repair Radio Test Sets	BNCOC	QT	1-4
	093-35H-3020	Perform Duties as RADIAC Custodian	BNCOC	QT	3-4
	093-35H-3030	Maintain Automated System	BNCOC	QT	3-4
	093-35H-3031	Perform Supply Operations/Database Maintenance Using Automated Procedures	BNCOC	QT	3-4
	093-35H-3050	Conduct Quality Assurance Inspection	BNCOC	QT	3-4
	093-SSG-3004	Submit a Quality Deficiency Report (QDR)	BNCOC	QT	3
	093-SSG-3005	Submit Equipment Improvement Recommendation (EIR)	BNCOC	QT	3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-SSG-3006	Plan Work Flow	BNCOC	QT	3
	093-SSG-3007	Direct Performance of Preventive Maintenance	BNCOC	QT	3
	093-SSG-3008	Provide Technical Assistance to Repairers	BNCOC	QT	3
	093-SSG-3009	Perform Initial Inspections	BNCOC	QT	3
	093-SSG-3010	Perform Final Inspections	BNCOC	QT	3
	093-SSG-3012	Perform In-Process Inspection	BNCOC	QT	3
10. Maintenance Management	093-35H-3040	Manage Cross Checks	BNCOC	QT	3-4
	093-35H-3060	Manage Shop Operations Using Automated Procedures	BNCOC	QT	3-4
	093-SSG-3001	Inspect Section/Shop Safety	BNCOC	QT	3
	093-SSG-3002	Manage Section/Shop Security	BNCOC	QT	3
	093-SSG-3003	Maintain Section/Shop Calibration Program	BNCOC	QT	3
	093-SSG-3011	Write a Standing Operating Procedure (SOP)	BNCOC	QT	3
	093-SSG-3013	Maintain Property Accountability	BNCOC	QT	3
	093-SSG-3014	Assess Battlefield Damage	BNCOC	QT	3
	093-SSG-3015	Manage Demand Supported Repair Parts Listed on the Prescribed Load List (PLL)	BNCOC	QT	3
	093-SSG-3016	Monitor Bench Stock Operations	BNCOC	QT	3
	093-SSG-3017	Monitor Shop Stock Operations	BNCOC	QT	3
	093-SSG-3019	Inspect Maintenance Support Team Operations	BNCOC	QT	3
	093-SSG-3020	Inspect Maintenance Reporting and Management Data	BNCOC	QT	3
	093-SSG-3021	Review SAMS-1 Reports	BNCOC	QT	3
Skill Level 4					
11. Senior Maintenance Operations	093-SFC-4101	Manage a Shop Security Program	ANCOC	MO	4
	093-SFC-4103	Prepare input to Materiel Condition Status Report	ANCOC	QT	4
	093-SFC-4104	Manage SAMS-1 System Administration	ANCOC	SA	4

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-SFC-4109	Review SAMS-2 Reports	ANCOC	SA	4
	093-SFC-4110	Conduct Site Reconnaissance	UNIT	AN	4
	093-SFC-4111	Coordinate Activities between Production Control and Supply Support Activity	ANCOC	MO	4
	093-SFC-4113	Provide Liaison to Supported Units	ANCOC	AN	4
12. Senior Maintenance Management	093-SFC-4105	Manage Hand Receipt Functions	ANCOC	SA	4
	093-SFC-4106	Manage Maintenance Shop Operations	ANCOC	QT	4
	093-SFC-4107	Manage Logistics Support	ANCOC	QT	4
	093-SFC-4108	Manage Shop Personnel Actions	ANCOC	SA	4
	093-SFC-4112	Manage Shop Supply Operations	ANCOC	QT	4
	093-SFC-4114	Manage Operational Readiness Float (ORF) Transactions	ANCOC	AN	4

CHAPTER 3

MOS/Skill Level Tasks

Skill Level 1

Subject Area 1: Shop Operations and Production Control

Perform Mouth-To-Mouth Resuscitation
081-831-1042

Conditions: Given an adult casualty who is unconscious and does not appear to be breathing. You are not in a chemical environment.

Standards: Perform mouth-to-mouth resuscitation following the correct sequence. Continue giving breaths at the rate of about 10 to 12 per minute until the casualty starts to breathe on his or her own, you are relieved by a qualified person, or you are too tired to go on.

Evaluation Preparation: Setup: For training and testing, you must use a resuscitation training mannequin (DVC 08-15). Have a bottle of alcohol and swabs or cotton available. Place the mannequin on the floor and alcohol and cotton balls on the table. Clean the mannequin's nose and mouth before each soldier is evaluated. Brief Soldier: Tell the soldier to do, in order, all necessary steps to restore breathing. After step 3, tell the soldier that the casualty is not breathing. When testing steps 4 and 5, you can vary the test by indicating whether the chest rises or not. If step 7 is tested, tell the soldier that the airway is open. You can stop the evaluation when the soldier rechecks for the pulse in step 10. Do not evaluate step 12 in the simulated mode. Note: Reference made to the mouth-to-nose method within the task presents information on an alternate procedure which must be used under some circumstances. This method will not be evaluated.

Performance Measures	**GO**	**NO GO**
WARNING ROLE THE CASUALTY CAREFULLY AS A UNIT SO THAT THE BODY DOES NOT TWIST.		
1. Roll the casualty onto his or her back, if necessary.	____	____
2. Open the airway using the head-tilt/chin-lift method.	____	____

Note: If foreign material or vomitus is seen in the mouth, remove it as quickly as possible.

a. Kneel at the level of the casualty's shoulders.
b. Place one hand on the casualty's forehead and apply firm, backward pressure with the palm to tilt the head back.
c. Place the fingertips of your other hand under the bony part of the lower jaw and lift, bringing the chin forward.

Note: Do not use the thumb to lift and do not press deeply into the soft tissue under the chin with the fingers.

3. Check for breathing within 3 to 5 seconds by placing an ear over the casualty's mouth and looking toward his or her chest.	____	____

a. Look for the chest to rise and fall.
b. Listen for sounds of breathing.
c. Feel for breath on your cheek.

Note: If the casualty resumes breathing at any time during this procedure, the airway should be maintained open and the casualty should be monitored. If the casualty continues to breathe, he or she should be transported to medical aid. Otherwise, the procedure should be continued.

Performance Measures	**GO**	**NO GO**

4. Give breaths to ensure an open airway. ____ ____

Note: When mouth-to-mouth rescue breathing cannot be performed because the casualty has jaw injuries or spasms, the mouth-to-nose method may be more effective. The mouth-to-nose is similar to mouth-to-mouth except that the rescuer blows into the nose while holding the lips closed with the hand at the chin. The rescuer then removes his or her mouth to allow air to escape. In some cases, it may be necessary to separate the casualty's lips to allow the air to escape.

   a. Maintain the airway and gently pinch the nose closed using the hand on the casualty's forehead.
   b. Take a deep breath and place your mouth, in an airtight seal, around the casualty's mouth.
   c. Give two full breaths (1 1/2 to 2 seconds each), taking a breath between them, while watching for the chest to rise and fall and listening and/or feeling for air to escape during exhalation.
   d. If the chest rises, continue with step 8.
   e. If the chest does not rise, proceed to the next step.

5. Reposition the casualty's head slightly farther backward and repeat the breaths. ____ ____

   a. If the chest rises, continue with step 8.
   b. If the chest does not rise, proceed to the next step.

6. Perform abdominal or chest thrusts. ____ ____

Note: Use abdominal thrusts unless the casualty is in the advanced stages of pregnancy, is very obese, or has a significant abdominal wound.

   a. Abdominal thrusts.
      (1) Kneel astride the casualty's thighs.
      (2) Place the heel of one hand against the casualty's abdomen, slightly above the navel but well below the tip of the breastbone, with the fingers pointing toward the casualty's head.
      (3) Place your other hand on top of the first.
      (4) Press into the abdomen with a quick forward and upward thrust.

Note: Give each thrust as a separate, distinct movement.

      (5) Give several thrusts (up to five).
   b. Chest thrusts.
      (1) Kneel close to the side of the casualty's body.
      (2) Locate the lower edge of the casualty's ribs and run your fingers up along the rib cage to the notch where the ribs meet the breastbone.
      (3) Place the middle finger on the notch with the index finger just above it on the lower end of the breastbone.
      (4) Place the heel of your other hand on the lower half of the breastbone next to the two fingers.
      (5) Remove your fingers from the notch and place that hand on top of your other hand, extending or interlacing the fingers.
      (6) Straighten and lock your elbows with your shoulders directly above your hands.
      (7) Without bending your elbows, rocking, or allowing your shoulders to sag, apply enough pressure to depress the breastbone 1 1/2 to 2 inches.

Note: Give each thrust slowly, distinctly, and with the intent of relieving the obstruction.

      (8) Give several thrusts (up to five).

7. Perform a finger sweep and repeat the breaths. ____ ____

   a. Open the casualty's mouth by grasping the tongue and lower jaw to lift the jaw open or crossing the fingers and thumb to push the teeth apart.

Performance Measures	**GO**	**NO GO**
b. Insert the index finger of your other hand down along the cheek to the base of the tongue.		
WARNING TAKE CARE NOT TO FORCE THE OBJECT DEEPER INTO THE AIRWAY.		
c. Use a hooking motion from the side of the mouth toward the center to dislodge the object.		
d. Reopen the airway and repeat the breaths.		
e. If the chest rises, proceed to the next step.		
f. If the chest does not rise, repeat steps 6 and 7 until the airway is clear.		
8. Check for a pulse, for 5 to 10 seconds, using your first two fingers, in the groove in the casualty's throat beside the Adam's apple.	____	____
Note: Do not use your thumb.		
a. If a pulse is found but the casualty is not breathing, continue with step 9.		
b. If no pulse is found, CPR must be performed by qualified personnel.		
9. Continue mouth-to-mouth resuscitation, at the rate of about 10 to 12 breaths per minute.	____	____
10. Recheck for pulse and breathing for 3 to 5 seconds after every 12 breaths.	____	____
11. Perform all necessary steps in the correct sequence.	____	____
12. Continue mouth-to-mouth resuscitation as stated in the task standard. When breathing is restored, watch the casualty closely, maintain an open airway, and check for other injuries, if necessary. (See the task Evaluate A Casualty, task number 081-831-1000.)	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier scores NO-GO, show the soldier what was done wrong and how to do it correctly.

References

Required	**Related**
FM 21-11	

Perform Grounding Checks

093-35H-1000

Conditions: Given MEGGER Digital Earth Tester, ground area of sufficient size to conduct test (30m - 50m), manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Performed grounding checks using the MEGGER Digital Earth Tester in accordance with applicable manufacturer's manual.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Setup equipment to perform grounding checks using normal method of test for small earthing electrodes employing the fall of potential method. a. Ensured instrument battery was charged prior to any connection to instrument terminals. b. Connected terminals C1 and P1 to the earth electrode being tested. c. Hammered a test spike (the remote current electrode) into the ground 30m to 50m away. d. Connected the remote current electrode to the C2 terminal. e. Hammered another test spike (the remote potential electrode) into the ground midway between and in line with the remote current electrode just hammered in. f. Connected the remote potential electrode to the P2 terminal. g. Ensured wires connected to remote electrodes did not lay close to each other.	____	____
3. Operated equipment to perform grounding checks using normal method of test for small earthing electrodes employing the fall of potential method. a. Switched instrument on. b. Selected correct range. c. Increased or decreased test current as necessary. d. Improved spike resistance as necessary. e. Reduced input noise as necessary. f. Increased filtering as necessary. g. Read instrument display and took reading when stable. h. Turned range switch off when measurements were not being made.	____	____
4. Maintained tools and equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	
TB 385-4	

Perform Conductivity Checks

093-35H-1001

Conditions: Given Major MEGGER Insulation Tester, five-pound block of metal that has a contact surface of five square inches of good conducting material, a floor or work surface to be tested for conductivity, TB 385-4, and manufacturer's manual. This task can be performed in a field or garrison environment.

Standards: Performed conductivity (surface resistance) checks using the Major MEGGER Insulation Tester IAW manufacturer's manual and TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Prepared Major MEGGER Insulation Tester for use IAW manufacturer's manual. a. Checked that test leads supplied with the Major MEGGER Insulation Tester were available and were in good condition with spring clips and no cracks in the insulation. b. Performed 0 (zero) megohms check on each range. c. Performed (infinity) megohms check on each range.	____	____
3. Performed conductivity (surface resistance) test of floor or work surface IAW TB 385-4. a. Connected one electrode of the Major MEGGER Insulation Tester to the facility's certified ground. b. Connected the other electrode to a five-pound block of metal that had a contact surface of five square inches of good conducting material. c. Attached a non-conductive strap or handle to the block (refer to Figure 3-3 of TB 385-4). d. Applied voltage while pulling the block along all points of the floor or work surface to be tested.	____	____
4. Maintained tools and equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUAL TB 385-4	

Perform TMDE Technical Supply Operations (Software)

093-35H-1010

Conditions: Given an IBM compatible computer loaded with TMDE Integrated Material Management System (TIMMS) software and supply files, and TIMMS User's Guide. This task can be performed in a field or garrison environment.

Standards: Performed TMDE technical supply operations using TMDE Integrated Material Management System (TIMMS) in accordance with the TIMMS Users Guide.

Performance Measures	**GO**	**NO GO**
1. Performed supply actions	____	____
a. Performed issue item.		
b. Performed maintain item.		
c. Performed receive item.		
d. Performed requisition item.		
e. Performed turn-in item.		
2. Generated supply reports.	____	____
a. Generated balance report by NIIN/PN.		
b. Generated balance report by location.		
c. Generated balance report by demands.		
d. Generated balance report by SLC changes.		
e. Generated balance report by statistics.		
f. Generated balance report by bench stock.		
g. Generated balance report by shop stock.		
h. Generated balance report by authorized stock level (ASL).		
i. Generated balance report by diagnostic stock items.		
j. Generated balance report by non-demand.		
k. Generated balance report by excess stock.		
l. Generated balance report by balance issues.		
m. Generated balance report by total lines.		
n. Generated canceled requisitions reports.		
o. Generated demands reports by DODAAC.		
p. Generated demands reports by NIIN/PN.		
q. Generated document register.		
r. Generated list issues report.		
s. Generated on order (Bal/Sup) report.		
t. Generated confirm receipts report.		
u. Generated receipt daily transactions report.		
v. Generated requisition exception data report.		
w. Generated unserviceable items by NIIN report.		
x. Generated unserviceable items by PN report.		
y. Generated unserviceable items by location report.		
3. Performed supply utilities.	____	____
a. Performed Fed Log programs.		
b. Performed Fed Log (AMDF) CDs.		
c. Performed build AMDF files.		
d. Performed local AMDF.		
e. Performed document register cleanup.		
f. Performed inventory process.		
g. Performed purge balance file.		
h. Performed purge demands file.		
i. Performed purge requisitions.		

Performance Measures	GO	NO GO
j. Performed update demands count.		
k. Performed undo issues.		
l. Performed rollup balance.		
m. Performed RO / ROP computation.		
n. Performed SLC update.		
o. Performed interface.		
p. Performed fund code update.		
q. Performed match G set K.		
4. Performed final procedures.	___	___

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TIMMS USERS GUIDE	

Perform Automated Production Control Procedures

093-35H-1020

Conditions: Given Office Automation Data systems, TMDE Information Maintenance Management System (TIMMS), and DA Pam 738-750, AR 750-43, TB 750-25, TB 43-180 and shop standing operating procedures (SOP). This task can be performed in a field or garrison environment.

Standards: Processed customer equipment for maintenance, assigned a job sequence, the appropriate status and entered the equipment into the TIMMS database to reflect the current status of all open jobs. Reviewed and updated the TIMMS reports information in accordance with the shop SOP and applicable technical references.

Performance Measures	**GO**	**NO GO**
1. Ensured that all required TIMMS reports and forms required for an TMDE activity were being used.	____	____
2. Visually inspected the equipment being submitted for any physical damage and noted any damage.	____	____
3. Verified the work request signature to the account information held on the office file copy of DA Form 1687 signature card.	____	____
4. Assigned the correct priority, job sequence and status to the TMDE equipment turned in for repair.	____	____
5. Entered equipment and customer data into the TIMMS database accurately.	____	____
6. Completed transaction with valid signed and dated hand receipt.	____	____
7. Ensured that all discrepancies had been corrected.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
AR 750-43	
DA PAM 738-750	
TB 43-180	
TB 750-25	

Perform Classification Inspection of TMDE

093-35H-1030

Conditions: Given any TMDE item requiring condition coding, and the following forms and publications:

DA Form 2404, DA Form 2407, DD Form 1574, DD Form 1577, DD Form 1577-2, SF 368, AMC Regulation 750-51, AR 725-50, AR 750-1, DA Pam 708-2, DA Pam 738-750, DA Pam 738-751, applicable TB 43-0002-series publication, and TB 11-6625-3263-25.

You may be required to pick-up or lift bulky or heavy equipment. This task can be performed in a field or garrison environment.

Standards: The Technical Inspection (TI) of the TMDE item was accomplished in accordance with appropriate manufacturer/service manual and all discrepancies are noted. The item was assigned proper condition code based on the results of the TI in accordance with AR 725-50. All forms were filled out completely and correctly in accordance with DA Pam 738-750 and DA Pam 738-751.

Performance Measures	**GO**	**NO GO**
1. Researched item using FEDLOG for all applicable codes and determined proper disposition for unserviceable and excess items.	____	____
2. Performed technical inspections (TI) on item.	____	____
3. Determined if an unserviceable item was economically or uneconomically repairable by considering the following factors: a. The cost of replacing the item as opposed to the cost of repair. b. The value (in terms of service life) that will be restored to the item if it is repaired. c. The value restored to the item through repair in comparison to the probable maintenance cost of a new item.	____	____
4. Determined the maintenance required to restore unserviceable, economically repairable equipment to serviceable condition.	____	____
5. Determined the availability of replacement parts and analyzed the shop workload to determine the unit's capability to perform the required repairs.	____	____
6. Processed item for repair, if item met repair criteria.	____	____
7. Evacuated the item to a higher echelon for repair, if the repair requirement exceeded the established repair time limits.	____	____
8. Evacuated the item to designated facilities of the same or higher category of maintenance for repair, if the repair was beyond authorized capability and capacity.	____	____
9. Assigned proper condition code to item for return to customer.	____	____
10. Completed all necessary forms and paperwork.	____	____
11. Prepared an SF 368 as an equipment improvement recommendation as necessary.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

AR 710-2
AR 725-50
DA FORM 2404
DA FORM 2407
DA PAM 708-2
DA PAM 738-750
DA PAM 738-751
DD FORM 1574
DD FORM 1577
DD FORM 1577-2
SF 368
TB 11-6625-3263-25
TB 43-0002-SERIES

Related

AR 750-1
DA PAM 710-2-1
DA PAM 710-2-2

Subject Area 2: Direct Current (DC) and Low Frequency

Operate Work Station Controller

093-35H-1100

Conditions: Given work station controller with a calibration environment installed, access to USATA website, 3.5 inch diskette, TB 43-180, TB 385-4, TB 750-25, and USATA Mater List. This task can be performed in a field or garrison environment.

Standards: Operated Work Station Controller in accordance with calibration environment and calibration procedure being used.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List. a. Downloaded update from USATA website onto 3.5 inch diskette or system hard drive. b. Exploded file into temporary directory if necessary. c. Executed program to install automatically.	____	____
3. Entered calibration environment from work station controller desktop or start menu.	____	____
4. Navigated calibration environment to select appropriate calibration procedure.	____	____
5. Setup hardware manager for prime instrument if necessary.	____	____
6. Observed all safety precautions, warnings, and hazards.	____	____
7. Followed onscreen instructions for equipment required: a. Connected GP-IB cables from TI and standards to appropriate port(s) on workstation controller. b. Set addresses on equipment as appropriate for calibration procedure and calibration environment being used.	____	____
8. De-energized and disconnected the equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	
TB 43-180	
TB 750-25	
USATA MASTER LIST	

Operate Core Work Station

093-35H-1101

Conditions: Given Core workstation (5720A/CT Calibrator, 5725A/CT Amplifier, and 3458 Multimeter), cables and connectors, and Manufacturer's Operator Manuals for 5720A/CT, 5725A/CT, 3458A and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated the Core workstation in accordance with Manufacturer's Operator Manuals.

Performance Measures	GO	NO GO
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Operated the Core workstation as follows using the 3458A as the UUT:	____	____
a. Set up equipment to produce and measure DC Voltage.		
b. Used Error Mode of Calibrator and output adjustment controls to achieve a reading on UUT equal to original entry on calibrator.		
c. Set up equipment to produce and measure AC Voltage.		
d. Used Error Mode of Calibrator and output adjustment controls to achieve a reading on UUT equal to original entry on calibrator.		
e. Set up equipment to produce and measure DC Current.		
f. Used Error Mode of Calibrator and output adjustment controls to achieve a reading on UUT equal to original entry on calibrator.		
g. Set up equipment to produce and measure AC Current.		
h. Used Error Mode of Calibrator and output adjustment controls to achieve a reading on UUT equal to original entry on calibrator.		
i. Set up equipment to produce and measure Resistance.		
j. Used Error Mode of Calibrator and output adjustment controls to achieve a reading on the Control Display equal to the reading on the UUT.		
k. Set up equipment to produce and measure Wideband AC Voltage.		
3. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	
TB 385-4	

Operate Impedance Measuring System

093-35H-1102

Conditions: Given an impedance measuring system (6425B Precision Component Analyzer), a standard capacitor, Instruction Manual for Impedance Measuring System (6425B Precision Component Analyzer), and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated impedance measuring system in accordance with Manufacturer's Instruction Manual.

Evaluation Preparation: Ensured all required equipment or appropriate substitutions were on hand and all safety requirements were being met.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Operated the Impedance Measuring System as follows using a standard capacitor as the UUT: a. Set up equipment and performed trimming operation. b. Set up equipment to perform capacitance measurement on standard capacitor. c. Performed capacitance measurement on standard capacitor.	____	____
3. De-energized and disconnected all equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	
TB 385-4	
TB 43-180	

Perform Artifact Calibration on Core Work Station

093-35H-1110

Conditions: Given a Core Work Station; Forms, Records, and Reports, Equipment and Accessories required as listed in ETB 50021; ETB 50021; TB 43-180; TB 750-25; TB 385-4 and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Performed artifact calibration on the Core Work Station in accordance with ETB 50021 and TB 43-180.

Performance Measures	GO	NO GO
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed artifact cal - download.	____	____
5. Performed artifact cal.	____	____
6. Performed download artifact cal data.	____	____
7. Performed display cal data from 5700A/CT.	____	____
8. Performed display cal data from download.	____	____
9. Performed print cal data from 5700A/CT.	____	____
10. Performed print cal data from download.	____	____
11. Performed cal check - print data.	____	____
12. Performed cal check - download data.	____	____
13. Performed 5700A/CT configuration setup.	____	____
14. Performed final procedures.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
ETB 50021	
TB 385-4	
TB 43-180	
TB 750-25	
USATA MASTER LIST	

Perform Cross Checks

093-35H-1120

Conditions: Given selected TMDE standards from the Secondary Transfer Calibration Standards Sets, cables and connectors, TB 9-4931-537-35, TB 43-180, TB 385-4; TB 750-25; U.S. Army TMDE Activity (USATA) Calibration Procedure Master List and facility Cross Checks SOP. This task can be performed in a field or garrison environment.

Standards: Performed Cross Checks on measurement standards in accordance with TB 9-4931-537-35 and all safety precautions were observed according to TB 385-4.

Performance Measures	GO	NO GO
1. Identified correct procedure to be used in accordance with TB 43-180.	____	____
2. Updated procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Reviewed the facility standing operating procedures for cross checks.	____	____
5. Cross checked equipment in accordance with TB 9-4931-437-35 and facility cross checks SOP. a. Identified when standards are to be cross checked. b. Identified correct standards to be cross checked. c. Cross checked appropriate ranges and parameters of equipment. d. Completed the cross checks data tables and forms ensuring all information was accurate. e. Followed proper procedures when a standard was inoperable or failed cross checks. f. Filed and distributed copies of cross checks records as required.	____	____
6. De-energized and disconnected equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
SOP	
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-4931-537-35	

Repair Frequency Counter

093-35H-1130

Conditions: Given a faulty frequency counter, signal generator, test equipment as needed (multimeter, oscilloscope, spectrum analyzer, etc.), electrician's tool kit, frequency counter manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Repaired frequency counter in accordance with manufacturer's manual.

Performance Measures	GO	NO GO
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Visually inspected the frequency counter for any physical defects.	____	____
3. Read and followed the operator, maintenance, and repair instructions given in technical reference.	____	____
4. Set up equipment needed for troubleshooting the frequency counter.	____	____
5. Performed operational circuit checks to sectionalize the malfunction.	____	____
6. Performed a schematic analysis and functional tests to localize the malfunction.	____	____
7. Performed resistance, continuity, and power distribution tests to isolate the malfunction.	____	____
8. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	TB 43-180
TB 385-4	TB 750-25

Calibrate Frequency Counter

093-35H-1131

Conditions: Given Frequency counter (5345A); TB 9-6625-1996-35 or ETB 50019-; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-1996-35 or ETB 50019-; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated frequency counter in accordance with TB 43-180 and the calibration procedure and all safety precautions were observed according to TB 385-4.

Evaluation Preparation: Ensured all required equipment or appropriate substitutions were on hand and all safety requirements were being met.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary operations. a. Performed setup instructions. b. Performed equipment connections.	____	____
5. Performed time base stability performance check, and made adjustments if necessary.	____	____
6. Performed sensitivity performance check, and made adjustments if necessary.	____	____
7. Performed A12 Interface I/O performance check, and made adjustments if necessary.	____	____
8. Performed power supply check if necessary, and made adjustments if necessary.	____	____
9. Performed final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
ETB 50019	
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6625-1996-35	
USATA MASTER LIST	

Repair Multimeter

093-35H-1140

Conditions: Given a faulty multimeter, core workstation, test equipment as needed (multimeter, oscilloscope, etc.), electrician's tool kit, multimeter manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Repaired the multimeter in accordance with multimeter manufacturer's manual.

Performance Measures	GO	NO GO
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Visually inspected the faulty multimeter for any physical defects.	____	____
3. Read and followed the operator, maintenance, and repair instructions given in technical reference.	____	____
4. Set up equipment needed for troubleshooting the multimeter.	____	____
5. Performed operational circuit checks to sectionalize the malfunction.	____	____
6. Performed a schematic analysis and functional tests to localize the malfunction.	____	____
7. Performed resistance, continuity, and power distribution tests to isolate the malfunction.	____	____
8. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	TB 43-180
TB 385-4	TB 750-25

Calibrate Multimeter

093-35H-1141

Conditions: Given multimeter (AN/PSM-45A); TB 9-6625-2190-35 or ETB 65066-; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2190-35 or ETB 65066-; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated multimeter in accordance with TB 43-180 and the calibration procedure.

Evaluation Preparation: Ensured all required equipment or appropriate substitutions were on hand and all safety requirements were being met.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
2. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary instructions.	____	____
5. Performed equipment setup.	____	____
6. Performed DC Voltage performance check, and made adjustments if necessary.	____	____
7. Performed DC Current performance check, and made adjustments if necessary.	____	____
8. Performed AC Voltage performance check, and made adjustments if necessary.	____	____
9. Performed Resistance performance check, and made adjustments if necessary.	____	____
10. Performed final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
ETB 65066	
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6625-2190-35	
USATA MASTER LIST	

Calibrate Resistance Decade

093-35H-1150

Conditions: Given resistance decade; TB 9-6625-2153-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2153-35; TB 385-4; TB 43-180; TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated resistance decade in accordance with TB 43-180 and the calibration procedure. All safety precautions were observed according to TB 385-4 and the required DA label 80, DA Label 163 or DA Form 2417 was completed according to TB 750-25.

Evaluation Preparation: Ensured all required equipment or appropriate substitutions were on hand and all safety requirements were being met.

Performance Measures	GO	NO GO
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary instructions.	____	____
5. Performed equipment setup.	____	____
6. Performed Resistance Accuracy check.	____	____
7. Completed and filed Calibration Test Report if appropriate.	____	____
8. Performed final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6625-2153-35	
USATA MASTER LIST	

Calibrate Stabilator Test Set

093-35H-1160

Conditions: Given a Stabilator Test Set (Stabilization System Test Set, TS-3920B/ASM); Forms, Records, and Reports, and Equipment and Accessories required as listed in TB 11-6625-2942-45; TB 11-6625-2942-45; TB 43-180; TB 385-4, TB 750-25; TM 11-6625-2942-13; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated Stabilator Test Set in accordance with TB 43-180 and the calibration procedure.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary operations. a. Performed setup instructions. b. Performed equipment connections.	____	____
5. Performed power supply +/-15 vdc performance check, and adjustments if necessary.	____	____
6. Performed NO. 1 SCALING AMPL simulator performance check, and adjustments if necessary.	____	____
7. Performed NO. 2 SCALING AMPL simulator performance check, and adjustments if necessary.	____	____
8. Performed CLTV STICK POSN simulator performance check, and adjustments if necessary.	____	____
9. Performed AS SENSOR simulator performance check, and adjustments if necessary.	____	____
10. Performed ACTR POSN simulator performance check, and adjustments if necessary.	____	____
11. Performed PITCH RATE GYRO simulator performance check, and adjustments if necessary.	____	____
12. Performed LATL ACCLRM simulator performance check, and adjustments if necessary.	____	____
13. Performed YAW RATE simulator performance check, and adjustments if necessary.	____	____
14. Performed ROLL ATT mechanical zero performance check, and adjustments if necessary.	____	____
15. Performed ROLL ATT alignment performance check, and adjustments if necessary.	____	____
16. Performed final procedures.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 11-6625-2942-45	
TB 43-180	
TB 750-25	
TM 11-6625-2942-13	
USATA MASTER LIST	

Repair Simplified Test Equipment (STE)

093-35H-1170

Conditions: Given a faulty item of the simplified test equipment (Simplified Test Equipment for Internal Combustion Engines, Reprogrammable (STE/ICE-R), Test Set STE-M1/FVS, Contact Test Set (CTS) AN/PSM-80 version 2 or 3, Soldier's Portable On-System Repair Tool (SPORT) AN/PSM-95 with ICE kit, or SPORT/Maintenance Support Device (SPORT/MSD) with ICE kit) and an electrician's tool kit, and appropriate technical references as listed in references. This task can be performed in a field or garrison environment.

You may be required to pick-up or lift bulky or heavy equipment.

Standards: Repaired a faulty item of Simplified Test Equipment according to the appropriate technical reference and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Visually inspected the simplified test equipment for any physical defects.	____	____
2. Read and followed the preliminary instructions given in technical reference.	____	____
3. Set up the equipment needed to perform troubleshooting.	____	____
4. Performed self-test / operations check of Test Instrument (TI).	____	____
5. Performed troubleshooting steps / fault isolation as identified on readout or troubleshooting flowchart in applicable technical reference if self-test fails.	____	____
6. Performed the performance check for each parameter.	____	____
7. Performed troubleshooting steps / fault isolation as identified on readout or troubleshooting flowchart in applicable technical reference for any parameter that is out of tolerance.	____	____
8. Verified the authority to perform repairs through Maintenance Allocation Chart (MAC), Warranty Card, FedLog, existing service contracts, Operations, or any other current regulatory guidance.	____	____
9. Performed repairs as required if authorized or made other appropriate arrangements to have item repaired/replaced.	____	____
10. Verified equipment pass test standards.	____	____
11. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	EM 0103
TB 43-180	TB 9-4910-555-35
TB 750-25	TB 9-4910-556-35
	TB 9-6625-2321-35
	TM 9-4910-571-12&P
	TM 9-4910-751-14&P

Subject Area 3: Oscilloscopes and Fiber Optic Equipment

Operate Oscilloscope Work Station

093-35H-1200

Conditions: Given oscilloscope workstation (5820A), an oscilloscope to be used as UUT, cables and connectors, oscilloscope workstation manufacturer's manual, oscilloscope manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated the oscilloscope workstation according to applicable technical references and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Read and followed the preliminary instructions given in technical references to include: a. Checked Cal Dates. b. Adjusted Display. c. Performed remote setup. d. Performed front panel tests.	____	____
3. Set up the equipment needed to operate the oscilloscope workstation and oscilloscope according to applicable technical references.	____	____
4. Operated the oscilloscope workstation using the oscilloscope as the UUT. a. Operated oscilloscope workstation in Voltage Mode. b. Operated oscilloscope workstation in Edge Mode. c. Operated oscilloscope workstation in Leveled Sine Mode. d. Operated oscilloscope workstation in Marker Mode. e. Operated oscilloscope workstation using Wave Generator. f. Operated oscilloscope workstation in Pulse Mode. g. Operated oscilloscope workstation in Meas Z Mode. h. Operated oscilloscope workstation in Meas V Mode. i. Operated oscilloscope workstation in Current Mode. j. Operated oscilloscope workstation in Overload Mode with caution not to damage oscilloscope input.	____	____
5. De-energized and disconnected the equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	TB 43-180
TB 385-4	TB 750-25

Operate Oscilloscope

093-35H-1210

Conditions: Given oscilloscope OS-288/G (2465B), signal sources, trigger sources, cables as required, and TM 11-6625-3234-40 or manufacturer's manual and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated oscilloscope in accordance with applicable technical reference or manufacturer's manual.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Prepared oscilloscope for use.	____	____
3. Operated oscilloscope. a. Initialized usable display by pressing AUTO setup. b. Selected channel being used using the Vertical Mode buttons. c. Adjusted VOLTS/DIV control. d. Adjusted SEC/DIV control. e. Adjusted POSITION control. f. Adjusted Trigger controls. g. Connected a probe from the input of a vertical channel to a signal. h. Adjusted VOLTS/DIV, SEC/DIV, POSITION, and Trigger controls as necessary for best display. i. Set input coupling as necessary. j. Selected Vertical MODE buttons to display any combination of the four vertical channels. k. Selected trigger mode of Auto Level, Auto, Normal, or Single Sequence. l. Selected trigger source. m. Selected trigger coupling. n. Selected trigger slope. o. Set trigger level. p. Set trigger holdoff. q. Connected a probe from the input of another vertical channel to an external trigger signal. r. Select trigger source. s. Select trigger coupling t. Select trigger slope. u. Set trigger level. v. Set trigger holdoff.	____	____
4. Maintained tools and equipment.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier scores NO-GO, show the soldier what was done wrong and how to do it correctly.

References

Required	**Related**
TM 11-6625-3234-40	MANUFACTURER'S MANUAL

Repair Oscilloscope

093-35H-1211

Conditions: Given a faulty oscilloscope, oscilloscope workstation, test equipment as needed (multimeter, oscilloscope, etc.), electrician's tool kit, oscilloscope manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Repaired oscilloscope in accordance with oscilloscope applicable technical reference and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Visually inspected the oscilloscope for any physical defects.	____	____
3. Read and followed the operator, maintenance, and repair instructions given in the applicable technical reference.	____	____
4. Set up equipment needed for troubleshooting the oscilloscope.	____	____
5. Performed operational circuit checks to sectionalize the malfunction.	____	____
6. Performed a schematic analysis and functional tests to localize the malfunction.	____	____
7. Performed resistance, continuity, and power distribution tests to isolate the malfunction.	____	____
8. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	TB 43-180
TB 385-4	TB 750-25

Calibrate Oscilloscope

093-35H-1212

Conditions: Given oscilloscope (2465B); TB 9-6625-2295-35 or ETB 80001-; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2295-35 or ETB 80001-; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated oscilloscope in accordance with TB 43-180 and oscilloscope calibration procedure and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
2. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary operations. a. Performed setup. b. Performed equipment connections.	____	____
5. Performed Calibration Process as follows: a. Performed Low frequency response performance check, and made adjustments if necessary. b. Performed Vertical gain performance check, and made adjustments if necessary. c. Performed Triggering performance check, and made adjustments if necessary. d. Performed Timing performance check, and made adjustments if necessary. e. Performed Bandwidth performance check, and made adjustments if necessary. f. Performed Calibrator performance check, and made adjustments if necessary. g. Performed Parametric measurements performance check, and made adjustments if necessary. h. Performed Final procedure.	____	____
6. Performed the following Menu Calibration Process only when a previous performance check was out of tolerance or CRT displayed error message "TEST 04 XX": a. Performed Preliminary instructions. b. Performed Equipment setup. c. Performed Power Supply performance check, and made adjustments if necessary. d. Performed DAC REF and input capacitance performance check. e. Performed CAL 01 horizontal performance check. f. Performed CAL 02 vertical performance check. g. Performed CAL 03 vertical performance check. h. Performed CAL 06 vertical performance check. i. Performed CAL 09 vertical performance check. j. Performed Final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
ETB 80001	
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6625-2295-35	
USATA MASTER LIST	

Operate Fiber Optic Equipment

093-35H-1220

Conditions: Given Fiber Optic Calibration Universal System (FOCUS-SWCM, FOCUS-LWCM, Digital Delay/Pulse Generator (DG535), Lightwave Multimeter (8153A), Fiber Optic Test Box (6625-01-418-8818) and the system cables and connectors), manufacturer's operator manuals, TB 43-180, TB 385-4, TB Med 524, and TB 750-25. This task can be performed in a field or garrison environment.

Standards: Operated the fiber optic equipment in accordance with the applicable technical reference (manufacturer's operator manuals) and all safety precautions were observed according to TB 385-4 and TB Med 524.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards IAW TB 385-4, TB Med 524, and manufacturer's operator manuals.	____	____
2. Operated the fiber optic equipment as follows:	____	____
a. Zeroed lightwave multimeter.		
b. Set up lightwave multimeter to measure 850 nm in dBm units.		
c. Set FOCUS-SWCM LD Bias Current switch to LD Pulsed.		
d. Set FOCUS-SWCM VAR ATTN 1 and VAR ATTN 2 controls for maximum attenuation (CW).		
e. Set FOCUS-SWCM VAR ATTN 2 SWITCHED ATTN 2 IN OUT Switch to OUT.		
f. Connected appropriate fiber optic jumper cable (FC to STC-2-METER) from ST connector adapter on lightwave multimeter optical input to FOCUS-SWCM OPTICAL I-O.		
g. Set FOCUS-SWCM POWER OFF ON key control to ON.		
h. Monitored lightwave multimeter and adjusted FOCUS-SWCM VAR ATTN 1 control for a -27 dBm display on lightwave multimeter.		
i. Set FOCUS-SWCM ATTN 2 SWITCHED ATTN IN OUT switch to IN.		
j. Monitored lightwave multimeter display and adjusted FOCUS-SWCM VAR ATTN 2 control for lightwave multimeter indication of -33 dBm.		
k. Reset FOCUS-SWCM VAR ATTN 1 and VAR ATTN 2 controls for maximum attenuation (CW).		
l. Set FOCUS-SWCM POWER OFF ON key control to OFF.		
m. Disconnected appropriate fiber optic jumper cable (FC to STC-2-METER) from ST connector adapter on lightwave multimeter optical input to FOCUS-SWCM OPTICAL I-O.		
n. Set up lightwave multimeter to measure 1310 nm in dBm units.		
o. Set FOCUS-LWCM LD Bias Current switch to LD Pulsed.		
p. Set FOCUS-LWCM VAR ATTN 1 and VAR ATTN 2 controls for maximum attenuation (CW).		
q. Set FOCUS-LWCM VAR ATTN 2 SWITCHED ATTN 2 IN OUT Switch to OUT.		
r. Set FOCUS-LWCM WAVELENGTH switch to 1310 NM.		
s. Connected appropriate fiber optic jumper cable (FC to STC-2-METER) from ST connector adapter on lightwave multimeter optical input to FOCUS-LWCM OPTICAL I-O.		
t. Set FOCUS-LWCM POWER OFF ON key control to ON.		
u. Monitored lightwave multimeter and adjusted FOCUS-LWCM VAR ATTN 1 control for a -27 dBm display on lightwave multimeter.		
v. Reset FOCUS-LWCM VAR ATTN 1 and VAR ATTN 2 controls for maximum attenuation (CW).		
w. Set FOCUS-LWCM POWER OFF ON key control to OFF.		

Performance Measures	GO	NO GO
3. De-energized and disconnected equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	
TB 385-4	
TB 43-180	
TB 750-25	
TB MED 524	

Calibrate Fiber Optic Equipment

093-35H-1221

Conditions: Given OPTICAL FIBER TEST SET (TS-4320(P)/G), TB 9-6625-2309-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2309-35, TB 43-180; TB 750-25; TB 385-4; TM 11-6625-3271-12, TM 11-6625-3271-40 and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated fiber optic equipment in accordance with TB 43-180 and the calibration procedure and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Calibrated fiber optic equipment (TS-4320P/G) IAW calibration procedure. a. Performed Preliminary instructions. b. Performed Equipment setup. c. Performed Time insertion delay characterization if FOCUS-SWCM optical subassembly, FOCUS-LWCM optical subassembly, or DG535 digital delay/pulse generator have been repaired or replaced. d. Performed appropriate steps in necessary to change ZERO-KM SETTING if software level 1.08a is installed in TI. e. Performed Horizontal scale error performance check, and adjustments if necessary. f. Performed Attenuation scale non-linearity performance check, and adjustments if necessary.	____	____
5. Performed Circuit Alignment only if TI was found to be out of tolerance during Horizontal scale error performance check or Attenuation scale non-linearity performance; or if FOCUS-SWCM optical subassembly, FOCUS-LWCM optical subassembly, or DG535 digital delay/pulse generator have been repaired or replaced. a. Performed A/D adjustments. b. Performed Time insertion delay characterization.	____	____
6. Performed Final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6625-2309-35	
TM 11-6625-3271-12	
TM 11-6625-3271-40	
USATA MASTER LIST	

Subject Area 4: Signal Generator

Operate Signal Generator Work Station

093-35H-1300

Conditions: Given signal generator workstation (8902S), a signal generator to be used as UUT, cables and connectors, signal generator workstation manufacturer's manuals, signal generator manufacturer's manual or TM, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated the signal generator workstation in accordance with applicable technical references (manufacturer's manuals) and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Read and followed the preliminary instructions given in technical references for signal generator workstation.	____	____
3. Set up the equipment needed to operate the signal generator workstation using the signal generator as UUT according to technical references.	____	____
4. Operated the signal generator workstation controls to establish the appropriate measurement configuration to measure the signal output by UUT: a. RF Output Frequency. b. RF Output Power. c. Tuned RF Level. d. AM Modulation. e. FM Modulation. f. Phase Modulation. g. Modulation Frequency. h. Audio Level. i. Audio Distortion.	____	____
5. De-energized and disconnected the equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	TB 385-4
TB 750-25	TB 43-180

Operate Signal Generator

093-35H-1310

Conditions: Given signal generator (SG-1207/U), spectrum analyzer, pulse generator, RF cables as required, and TM 11-6625-3165-14 or manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operate the signal generator SG-1207/U in accordance with TM 11-6625-3165-14 and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Prepared signal generator for use.	____	____
3. Operated signal generator. a. Set frequency. b. Set amplitude. c. Set output ON/OFF. d. Set amplitude modulation. e. Set frequency modulation. f. Set phase modulation. g. Set pulse modulation. h. Set internal modulation source. i. Set external modulation source. j. Set modulation output. k. Set HP-IB address.	____	____
4. De-energized and disconnected the equipment as appropriate.	____	____

References

Required	**Related**
TB 385-4	
TM 11-6625-3165-14	

Repair Signal Generator

093-35H-1311

Conditions: Given a malfunctioning signal generator, signal generator workstation, test equipment as needed (multimeter, oscilloscope, spectrum analyzer, etc.), electrician's tool kit, signal generator manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Repaired signal generator in accordance with applicable signal generator technical reference and all safety precautions were observed according to TB 385-4.

Performance Measures	GO	NO GO
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Visually inspected the signal generator for any physical defects.	____	____
3. Read and followed the operator, maintenance, and repair instructions given in technical reference.	____	____
4. Set up equipment needed for troubleshooting the signal generator.	____	____
5. Performed operational circuit checks to sectionalize the malfunction.	____	____
6. Performed a schematic analysis and functional tests to localize the malfunction.	____	____
7. Performed resistance, continuity, and power distribution tests to isolate the malfunction.	____	____
8. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	TB 43-180
TB 385-4	TB 750-25

Calibrate Signal Generator

093-35H-1312

Conditions: Given signal generator (SG-1207/U); TB 9-6625-2182-35 or ETB 50003-; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2182-35 or ETB 50003-; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated signal generator in accordance with TB 43-180 and the calibration procedure and all safety precautions were observed according to TB 385-4.

Performance Measures	GO	NO GO
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary operations. a. Performed setup instructions. b. Performed equipment connections.	____	____
5. Performed Line Stability performance check, and made adjustments if necessary	____	____
6. Performed Frequency accuracy performance check, and made adjustments if necessary.	____	____
7. Performed RF output performance check, and made adjustments if necessary.	____	____
8. Performed Output level flatness performance check, and made adjustments if necessary.	____	____
9. Performed Attenuation performance check, and made adjustments if necessary.	____	____
10. Performed Spectral purity performance check, and made adjustments if necessary.	____	____
11. Performed Pulse modulation performance check, and made adjustments if necessary.	____	____
12. Performed Amplitude modulation performance check, and made adjustments if necessary.	____	____
13. Performed Frequency modulation performance check, and made adjustments if necessary.	____	____
14. Performed Phase modulation performance check, and made adjustments if necessary.	____	____
15. Performed Internal oscillator performance check, and made adjustments if necessary.	____	____
16. Performed Power supply performance check if necessary, and made adjustments if necessary.	____	____
17. Performed Final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
ETB 50003	TM 11-6625-3165-14
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6625-2182-35	
USATA MASTER LIST	

Operate Pulse Generator

093-35H-1320

Conditions: Given a pulse generator (9210), oscilloscope, RF cables as required, and pulse generator (9210) manufacturer's manual.

Standards: Operated the pulse generator in accordance with the applicable technical reference/manufacturer's manual and all safety precautions were observed according to TB 385-4.

Performance Measures	GO	NO GO
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Prepared pulse generator for use using oscilloscope for display.	____	____
3. Operated pulse generator. a. Set pulse amplitude. b. Set pulse width. c. Set pulse duty cycle. d. Set pulse period. e. Set pulse frequency. f. Set pulse output ON/OFF. g. Set trigger to normal (internal). h. Set trigger to external (single). i. Set GPIB address.	____	____
4. Maintained tools and equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	

Calibrate Radio Frequency (RF) Power Sensor

093-35H-1330

Conditions: Given a Power Sensor or Thermistor Mount (10 MHz to 18 GHz); TB 9-6625-1932-35; Forms, Records, and Reports and Equipment and Accessories required for Secondary Transfer Calibration Process as listed in TB 9-6625-1932-35; TB 43-180; TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List.

Standards: Calibrated radio frequency (RF) power sensor in accordance with the applicable calibration procedure and TB 43-180 and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Determined correct section of TB 9-6625-1932-35 to use for Secondary Transfer level calibration.	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Performed preliminary instructions.	____	____
6. Performed equipment setup.	____	____
7. Performed calibration factors performance check, and adjustments if necessary.	____	____
8. Performed final procedure	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 43-180	TB 750-25
TB 9-6625-1932-35	
USATA MASTER LIST	

Calibrate Attenuator

093-35H-1340

Conditions: Given attenuators (fixed and variable, 10 MHz to 18 GHz); TB 9-4931-523-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-4931-523-35; Software package USATA 001-PDMAT (V) (if available for use in alternate performance checks); TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated attenuator in accordance with the applicable calibration procedure and TB 43-180 and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Calibrated attenuator (fixed and variable, 10 MHz to 18 GHz) in accordance with applicable calibration procedure: a. Performed preliminary instructions. b. Performed equipment setup. c. Performed Fixed attenuation measurement (10 MHz to 18 GHz) performance check or Alternate fixed attenuation measurement (10 MHz to 18 GHz) performance check, and prepared a correction chart if necessary. d. Performed Variable attenuation measurement (10 MHz to 18 GHz) performance check or Alternate fixed attenuation measurement (10 MHz to 18 GHz) performance check, and prepared a correction chart if necessary. e. Performed Final procedure.	____	____
5. De-energized and disconnected the equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	TB 9-4931-533-50
TB 43-180	TM 9-4931-526-34P
TB 750-25	
TB 9-4931-523-35	
USATA MASTER LIST	

Repair Power Meter

093-35H-1350

Conditions: Given a power meter in need of repair, signal generator, test equipment as needed (multimeter, oscilloscope, spectrum analyzer, etc.), electrician's tool kit, power meter manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Repaired a power meter in accordance with the applicable power meter technical reference and observed all safety precautions in accordance with TB 385-4.

Performance Measures	GO	NO GO
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Visually inspected the power meter for any physical defects.	____	____
3. Read and followed the operator, maintenance, and repair instructions given in the applicable technical reference.	____	____
4. Set up equipment needed for troubleshooting the power meter.	____	____
5. Performed operational circuit checks to sectionalize the malfunction.	____	____
6. Performed a schematic analysis and functional tests to localize the malfunction.	____	____
7. Performed resistance, continuity, and power distribution tests to isolate the malfunction.	____	____
8. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	TB 43-180
TB 385-4	TB 750-25

Calibrate Power Meter

093-35H-1351

Conditions: Given Power Meter (437B); TB 9-6625-2297-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2297-35; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated power meter in accordance with TB 43-180 and applicable calibration procedure and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
2. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed Preliminary instructions.	____	____
5. Performed Equipment setup.	____	____
6. Performed Zero carryover performance check and made adjustments if necessary.	____	____
7. Performed Instrument accuracy performance check and made adjustments if necessary.	____	____
8. Performed Reference frequency oscillator performance check and made adjustments if necessary.	____	____
9. Performed Power reference level performance check and made adjustments if necessary.	____	____
10. Performed Final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6625-2297-35	
USATA MASTER LIST	

Subject Area 5: Microwave and Radio Frequency (RF)

Operate Spectrum Analyzer

093-35H-1400

Conditions: Given spectrum analyzer (AN/USN-489A), signal generator, RF cables as required, TM 11-6625-3250-12 or manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated the spectrum analyzer in accordance with the applicable technical reference and observed all safety precautions in accordance with TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Prepared spectrum analyzer for use.	____	____
3. Performed turn-on procedure including Reference Level Calibration.	____	____
4. Performed basic measurements. a. Set preset. b. Set center frequency. c. Set span width. d. Set start frequency. e. Set stop frequency. f. Set reference level. g. Set marker on. h. Set peak search. i. Set marker delta. j. Set next peak. k. Read marker delta. l. Adjusted video bandwidth. m. Adjusted resolution bandwidth. n. Set HP-IB address.	____	____
5. Maintained tools and equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	
TB 385-4	
TM 11-6625-3250-12	

Repair Spectrum Analyzer

093-35H-1401

Conditions: Given a faulty spectrum analyzer, signal generator, test equipment as needed (multimeter, oscilloscope, spectrum analyzer, etc.), electrician's tool kit, spectrum analyzer manufacturer's manual, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Repaired a spectrum analyzer in accordance with the applicable spectrum analyzer technical reference and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Visually inspected the spectrum analyzer for any physical defects.	____	____
3. ead and followed the operator, maintenance, and repair instructions given in the applicable technical reference.	____	____
4. Set up equipment needed for troubleshooting the spectrum analyzer.	____	____
5. Performed operational circuit checks to sectionalize the malfunction.	____	____
6. Performed a schematic analysis and functional tests to localize the malfunction.	____	____
7. Performed resistance, continuity, and power distribution tests to isolate the malfunction.	____	____
8. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	TB 43-180
TB 385-4	TB 750-25

Calibrate Spectrum Analyzer

093-35H-1402

Conditions: Given Spectrum analyzer (AN/USM-489A); TB 9-6625-2250-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2250-35; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated spectrum analyzer in accordance with TB 43-180 and the applicable calibration procedure and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
2. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed Preliminary instructions.	____	____
5. Performed Equipment setup.	____	____
6. Performed Calibrator output accuracy test performance check, and made adjustments if necessary.	____	____
7. Performed Displayed average noise level test performance check, and made adjustments if necessary.	____	____
8. Performed Resolution bandwidth accuracy and selectivity test performance check, and made adjustments if necessary.	____	____
9. Performed Input attenuator accuracy performance check, and made adjustments if necessary.	____	____
10. Performed IF gain uncertainty performance check, and made adjustments if necessary.	____	____
11. Performed Residual FM performance check, and made adjustments if necessary.	____	____
12. Performed Noise sidebands performance check, and made adjustments if necessary.	____	____
13. Performed Frequency readout and frequency count marker accuracy performance check, and made adjustments if necessary.	____	____
14. Performed Frequency span accuracy performance check, and made adjustments if necessary.	____	____
15. Performed Frequency response performance check, and made adjustments if necessary.	____	____
16. Performed Residual responses performance check, and made adjustments if necessary.	____	____
17. Performed Frequency drift performance check, and made adjustments if necessary.	____	____

Performance Measures	GO	NO GO
18. Performed Marker amplitude accuracy performance check, and made adjustments if necessary.	____	____
19. Performed Power supply performance check if necessary, and made adjustments if necessary.	____	____
20. Performed Final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6625-2250-35	
USATA MASTER LIST	

Calibrate Radio Test Set

093-35H-1410

Conditions: Given a Radio Test Set (AN/GRM-114B); TB 9-6625-2296-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2296-35; TB 43-180; TB 750-25; TM 11-6625-3244-40, and TM 11-6625-3245-40; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: The Radio Test Set, AN/GRM-114B was calibrated in accordance with the applicable calibration procedure and TB 43-180 and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	GO	NO GO
1. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
2. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards	____	____
4. Performed preliminary instructions.	____	____
5. Performed equipment setup.	____	____
6. Performed AF generator frequency performance check, and made adjustments if necessary.	____	____
7. Performed AF generator output level performance check, and made adjustments if necessary.	____	____
8. Performed distortion meter performance check, and made adjustments if necessary.	____	____
9. Performed SINAD meter performance check, and made adjustments if necessary.	____	____
10. Performed digital multimeter performance check, and made adjustments if necessary.	____	____
11. Performed xmsn oil temp performance check, and made adjustments if necessary.	____	____
12. Performed generator output level performance check, and made adjustments if necessary.	____	____
13. Performed generator spectral purity performance check, and made adjustments if necessary.	____	____
14. Performed generator residuals performance check, and made adjustments if necessary.	____	____
15. Performed generator frequency performance check, and made adjustments if necessary.	____	____
16. Performed oscilloscope performance check, and made adjustments if necessary.	____	____
17. Performed spectrum analyzer performance check, and made adjustments if necessary.	____	____
18. Performed power meter calibration performance check, and made adjustments if necessary.	____	____

Performance Measures	GO	NO GO
19. Performed generator amplitude modulation performance check, and made adjustments if necessary.	____	____
20. Performed generator frequency modulation performance check, and made adjustments if necessary.	____	____
21. Performed FM deviation meter (peak) performance check, and made adjustments if necessary.	____	____
22. Performed amplitude modulation meter performance check, and made adjustments if necessary.	____	____
23. Performed frequency error meter and RF counter performance check, and made adjustments if necessary.	____	____
24. Performed AF counter performance check, and made adjustments if necessary.	____	____
25. Performed power supply check if necessary, and made adjustments if necessary.	____	____
26. Performed final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6625-2296-35	
TM 11-6625-3244-40	
TM 11-6625-3245-40	
USATA MASTER LIST	

Operate High Radio Frequency (RF) Power Measurement System

093-35H-1420

Conditions: Given wideband RF power amplifier (ARA757LC-CE) and RF power wattmeter (4421), signal generator, high power RF termination, RF cables as required, manufacturer's manuals, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated High Radio Frequency (RF) Power Measurement System in accordance with the manufacturer's manuals and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Prepared radio frequency (RF) power measurement system for use.	____	____
a. Prepared RF power wattmeter 4421 for use to measure forward power in watts.		
b. Prepared wideband RF power amplifier ARA757LC-CE for use using signal generator as a signal source and high power RF cables where appropriate.		
c. Connected power amplifier output to RF power wattmeter directional coupler assembly (sensor) and terminated with a suitable high power RF termination.		
3. Operated radio frequency (RF) power measurement system.	____	____
a. Ensured wideband RF power amplifier Input Blanking pushbutton was pressed in and the red LED was lit.		
b. Ensured wideband RF power amplifier RF Gain Control rotary switch was set to minimum (full CCW).		
c. Set frequency of signal source.		
d. Set amplitude of signal source.		
e. Set signal source RF output switch to ON.		
f. Set wideband RF power amplifier Input Blanking pushbutton to off (out) ensuring red LED was not lit.		
g. Monitored RF power indication on RF power wattmeter (do not trust RF power indication on wideband RF power amplifier) while slowly rotating wideband RF power amplifier RF Gain Control rotary switch clockwise until RF power wattmeter indicated approximately 10W of forward RF power.		
h. Monitored RF power indication on RF power wattmeter and slowly increased or decreased signal generator amplitude in small magnitude steps until RF power wattmeter indicated 10.0W of forward RF power.		
i. Set RF power wattmeter 4421 to measure reflected power while observing the indication.		
4. De-energized and disconnected the equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	

Operate Radar Test Set

093-35H-1430

Conditions: Given radar test set (AN/UPM-155 w/54602A oscilloscope), pulse generator, spectrum analyzer, High Radio Frequency (RF) Power Measurement System (ARA757LC-CE, 4421, and high power RF termination), additional cables as required, TM 43-6625-912-12, manufacturer's manuals and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated radar test set in accordance with TM 43-6625-912-12 or applicable manufacturer's manual and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Prepared AN/UPM-155 for use and entered TRANSPONDER MENUS from the TOP LEVEL MENU.	____	____
3. Measured various outputs from AN/UPM-155 using 54602A oscilloscope. a. Measured SUPPR OUT signal for pulse amplitude and pulse width. b. Measured ACP OUT for risetime and falltime. c. Setup external trigger using pulse generator and set 0 TRIGGER to EXTERNAL+ using MENU 14. d. Measured pulse delay from the external trigger at EXT IN to 0 TRIGGER. e. Reset 0 TRIGGER to INTERNAL. f. Setup and measured M4 PRE OUT signal for pulse amplitude, width, and pulse delay from 0 TRIGGER. g. Varied delay of M4 PRE OUT pulse from 0 TRIGGER using MENU 5. h. Setup and measured VAR PULSE OUT signal for pulse amplitude, width, and delay from 0 TRIGGER. i. Varied delay of VAR PULSE output from 0 TRIGGER using MENU 6. j. Setup and measured pulses at CHAL/TAG output to determine challenge mode. k. Set M2 reply to ON using MENU 6. l. Setup and measured pulses at FIRST REPLY output and determined reply. m. Setup 10W continuous wave input to MAIN RF IN/OUT using High Radio Frequency (RF) Power Measurement System. n. Measured input to MAIN RF IN/OUT using MENU 16.	____	____
4. Measured various outputs from AN/UPM-155 using spectrum analyzer. a. Setup MAIN RF IN/OUT output signal frequency to 1050 MHz and amplitude to -30 dBm using MENU 10 and MENU 11. b. Displayed MAIN RF IN/OUT output signal using spectrum analyzer. c. Setup 1030 MHz OUT signal using MENU 10 and displayed output on spectrum analyzer. d. Setup 60 MHz OUT signal using MENU 10 and MENU 11 and displayed output on spectrum analyzer.	____	____
5. De-energized and disconnected the equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	TB 43-180

References

Required
TB 385-4
TM 43-6625-912-12

Related
TB 750-25

Calibrate Radar Test Set

093-35H-1431

Conditions: Given Radar Test set (AN/UPM-155); ETB 50007-; Forms, Records, and Reports and Equipment and Accessories required as listed in ETB 50007-; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated radar test set in accordance with TB 43-180 and the applicable calibration procedure and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	GO	NO GO
1. Visually inspected the radar test set for any physical defects.	____	____
2. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
3. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Performed Equipment Setup.	____	____
6. Performed PRF/PRI and Delays performance check.	____	____
7. Performed VAR Pulses 1 and 2 performance check.	____	____
8. Performed CHAL and TAG Gen performance check.	____	____
9. Performed Mode Repeat performance check.	____	____
10. Performed 1st SIF Reply Video performance check.	____	____
11. Performed Second Reply performance check.	____	____
12. Performed Suppression Gate performance check.	____	____
13. Performed Mode 4 Pretrig Out performance check.	____	____
14. Performed Mode 4 GTC Trig Out performance check.	____	____
15. Performed Video Reset Output performance check.	____	____
16. Performed Reply Signal Gating performance check.	____	____
17. Performed Mixed Video performance check.	____	____
18. Performed M4 KIR Simulator performance check.	____	____
19. Performed M4 KIT Simulator performance check.	____	____
20. Performed Measurement performance check.	____	____
21. Performed RF Section performance check.	____	____
22. Performed Modulation performance check.	____	____
23. Performed Out Main/Aux performance check.	____	____
24. Performed High Power In performance check.	____	____
25. De-energized and disconnected equipment as appropriate.	____	____

Performance Measures	GO	NO GO
26. Annotate and affix DA Label/Form in accordance with TB 750-25.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
ETB 50007	
TB 385-4	
TB 43-180	
TB 750-25	
USATA MASTER LIST	

Subject Area 6: Physical-Dimensional and Aviation

Calibrate Linear Measurement Devices

093-35H-1103

Conditions: Given Linear Measurement Devices (inside micrometer, vernier calipers, micrometer caliper); TB 9-5210-207-50, TB 9-5210-208-35, TB 9-5210-204-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-5210-207-50, TB 9-5210-208-35, and TB 9-5210-204-35; manufacturer's manuals, TB 43-180, TB 385-4, and TB 750-25. This task can be performed in a field or garrison environment.

Standards: Calibrated Linear Measurement Devices in accordance with TB 43-180 and the applicable calibration procedures and all safety precautions were observed in accordance with TB 385-4.

Evaluation Preparation: Ensured all required equipment or appropriate substitutions were on hand and all safety requirements were being met.

Performance Measures	**GO**	**NO GO**
1. Visually inspected the linear measurement devices for any physical defects.	____	____
2. Identified correct calibration procedures to be used in accordance with TB 43-180.	____	____
3. Updated calibration procedures as necessary in accordance with USATA Calibration Procedure Master List.	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Calibrated the inside micrometer as follows: a. Performed Preliminary instructions. b. Performed Equipment Setup. c. Performed Micrometer head calibration performance check, and made adjustments if necessary. d. Performed Length calibration performance check, and made adjustments if necessary. e. Performed Final Procedure.	____	____
6. Calibrated the vernier calipers as follows:Setting up the equipment. a. Performed Preliminary instructions. b. Performed Equipment Setup. c. Performed Outside scale performance check, and made adjustments if necessary. d. Performed Inside Scale performance check, and made adjustments if necessary. e. Performed Final Procedure.	____	____
7. Calibrated the micrometer caliper as follows: a. Performed Preliminary instructions. b. Performed Equipment Setup. c. Performed Parallelism performance check if necessary. d. Performed Zero Check performance check, and made adjustments if necessary. e. Performed Length measurement for micrometers without adjustable mandrels and checking standards performance check if appropriate. f. Performed Length measurement for micrometers with adjustable mandrels and checking standards performance check if appropriate. g. Performed Final Procedure.	____	____

Performance Measures	GO	NO GO
8. Maintained tools and equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-5210-204-35	
TB 9-5210-207-50	
TB 9-5210-208-35	

Operate Temperature Work Station

093-35H-1500

Conditions: Given temperature work station (Model 28) and the equipment and accessories (or equivalent) issued with the station, standard thermometer, electrician's tool kit, manufacturer's manual, TB 43-180, TB 385-4, and TB 750-25. This task can be performed in a field or garrison environment.

Standards: Operated the temperature workstation in accordance with applicable manufacturer's manual and all safety precautions were observed according to TB 385-4.

Performance Measures	GO	NO GO
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Read and followed the operating instructions in applicable manufacturer's manual before applying power to the temperature workstation.	____	____
3. Operated temperature workstation as follows: a. Inserted probe into tightest fitting cavity before heating or cooling if possible. b. Inserted probe into hole to depth of 5.25 inches. c. Ensured a depth of at least 0.75 inches for entire active area of the sensor of a short probe when unable to achieve the depth of 5.25 inches. d. Used calibrated readout device for probe. e. Allowed probe and chamber temperature to stabilize. f. Used insulation if appropriate. g. Keyed in setpoint temperatures from the front panel keyboard and turns the Cool Switch and Heat Switch ON and OFF to activate the sources. h. Displayed Cool Source and Heat Source temperatures. i. Displayed summary screen. j. Changed Cool Source and Heat Source setpoints.	____	____
4. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	TB 43-180
TB 385-4	TB 750-25

Calibrate Thermometer

093-35H-1501

Conditions: Given a Self-Indicating Thermometer (Celsius and Fahrenheit); TB 9-6685-314-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6685-314-35; TB 43-180; TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated thermometer in accordance with the applicable calibration procedure and TB 43-180 and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	GO	NO GO
1. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
2. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary instructions.	____	____
5. Performed equipment setup.	____	____
6. Performed ambient temperature performance check, and prepared correction chart if necessary.	____	____
7. Performed boiling point performance check, and prepared correction chart if necessary.	____	____
8. Performed final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TB 43-180	
TB 750-25	
TB 9-6685-314-35	
USATA MASTER LIST	

Operate Force Torque Standard

093-35H-1510

Conditions: Given a Force Torque Standard (Force-Torque Readout), various type torque wrenches, Manufacturer's Manuals, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated the force torque standard in accordance with applicable technical reference and all safety precautions were observed according to TB 385-4.

Performance Measures	GO	NO GO
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Visually inspected the force torque standard and torque wrenches for any physical defects.	____	____
3. Read and followed the operator's instructions given in manufacturer's manual.	____	____
4. Operated the force torque standard as follows using the torque wrenches as UUT's: a. Ensured EEPROM module was installed and transducer connected before applying power to instrument. b. Verified serial number of the Force-Torque Readout with serial number displayed upon power up. c. Selected appropriate transducer data to use from data on EEPROM module. d. Selected MODE (static, peak/hold, dynamic/low) to use dependent on torque wrench type. e. Applied force to torque wrench in manner appropriate for torque wrench type and MODE selected. f. Changed currently displayed units when necessary. g. Changed MODE when necessary.	____	____
5. De-energized and disconnected all the equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	TB 43-180
TB 385-4	TB 750-25

Calibrate Torque Wrench

093-35H-1511

Conditions: Given torque wrench, TB 9-5120-202-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-5120-202-35; Force Torque Standard; TB 43-180; TB 385-4, TB 750-25; Manufacturer's manual; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated torque wrench in accordance with TB 43-180 and the applicable calibration procedure and all safety precautions were observed in accordance with TB 385-4.

Evaluation Preparation: Ensured all required equipment or appropriate substitutions were on hand and all safety requirements were being met.

Performance Measures	**GO**	**NO GO**
1. Visually inspected the torque wrench for any physical defects.	____	____
2. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
3. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Calibrated torque wrench as follows using force torque standard: a. Performed Preliminary instructions. b. Performed appropriate performance check dependent on torque wrench type, and made adjustments if necessary.	____	____
6. Performed Final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-5120-202-35	

Calibrate Tensiometer

093-35H-1512

Conditions: Given Tensiometer (dial indicating MIL-T-7638 or MIL-T-38760); TB 9-6635-203-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6635-203-35; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated tensiometer in accordance with TB 43-180 and the applicable calibration procedure and all safety precautions were observed in accordance with TB 385-4.

Evaluation Preparation: Ensured all required equipment or appropriate substitutions were on hand and all safety requirements were being met.

Performance Measures	GO	NO GO
1. Visually inspected the tensiometer for any physical defects.	____	____
2. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
3. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Performed preliminary instructions.	____	____
6. Performed Equipment Setup.	____	____
7. Performed Tensiometer accuracy (Dial Indicating Tensiometer) performance check.	____	____
8. Performed Final Procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6635-203-35	
USATA MASTER LIST	

Calibrate Weighing Scale

093-35H-1513

Conditions: Given weighing scale (Resiliency Tester); TB 9-6670-251-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6670-251-35; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated weighing scale in accordance with TB 43-180 and the applicable calibration procedure and all safety precautions were observed in accordance with TB 385-4.

Evaluation Preparation: Ensured all required equipment or appropriate substitutions were on hand and all safety requirements were being met.

Performance Measures	**GO**	**NO GO**
1. Visually inspected the weighing scale for any physical defects.	____	____
2. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
3. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Performed preliminary instructions.	____	____
6. Performed Equipment setup.	____	____
7. Performed appropriate performance check dependent on Resiliency Tester type.	____	____
8. Performed Final Procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	
TB 43-180	
TB 750-25	
TB 9-6670-251-35	
USATA MASTER LIST	

Operate Pressure Standards

093-35H-1520

Conditions: Given Pressure Standards (DPI 145/R and RPM3), pressure/vacuum gauges to act as Units Under Test (UUT), pneumatic pressure controller, fluid separator assembly, pressure/vacuum sources (compressed gas, pressure tester, vacuum pump), manufacturer's manuals, hoses and fittings and accessories as needed, TB 43-180, calibration procedures for UUTs, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated pressure standards in accordance with manufacturer's manual and all safety precautions were observed according to TB 385-4.

Evaluation Preparation: Ensured all required equipment or appropriate substitutions were on hand and ensured all safety requirements were being met.

Performance Measures	GO	NO GO
1. Read and followed the operating instructions in given reference(s).	____	____
2. Visually inspected the pressure standards and UUTs for any physical defects.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed PMCS of pressure standard in accordance with manufacturer's manual.	____	____
5. Prepared pressure standard for use in accordance with manufacturer's manual.	____	____
6. Setup equipment for measurement in accordance with UUT calibration procedure and pressure standard manufacturer's manual.	____	____
7. Performed pressure/vacuum measurements in accordance with UUT calibration procedure and pressure standard manufacturer's manual.	____	____
8. De-energized and disconnected equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUAL MANUFACTURER'S MANUAL TB 385-4 TB 43-180	

Calibrate Pressure/Vacuum Gauges

093-35H-1521

Conditions: Given pressure and vacuum gauges; TB 9-6685-319-35, and TB 9-4931-228-35 or TB 9-6685-327-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6685-319-35, and TB 9-4931-228-35 or TB 9-6685-327-35; TB 43-180; TB 385-4; TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated pressure and vacuum gauges in accordance with TB 43-180 and the calibration procedure and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Visually inspected the pressure and vacuum gauges for any physical defects.	____	____
2. Identified correct calibration procedure(s) to be used in accordance with TB 43-180.	____	____
3. Updated calibration procedure(s) as necessary in accordance with USATA Calibration Procedure Master List.	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Calibrated pressure and vacuum gauges in accordance with appropriate calibration procedure(s) and performance check(s) dependent on gauge type and range, and made adjustments if appropriate.	____	____
6. Calibrated hydraulic gauges as follows: a. Performed preliminary instructions. b. Performed Equipment setup. c. Performed 0 to 10,000 psi hydraulic gages (0 to 20 percent accuracy) performance check, and made adjustments if necessary. d. Performed 0 to 5000 psi panel mounted hydraulic gages (1.0 to 20 percent accuracy) performance check, and made adjustments if necessary. e. Performed 0 to 10,000 psi panel mounted hydraulic gages (0.1 to 1.0 percent accuracy) performance check, and made adjustments if necessary. f. Performed Final procedure.	____	____
7. Calibrated pneumatic gauges as follows: a. Performed preliminary instructions. b. Performed Equipment setup. c. Performed 0 to 235 psi pneumatic gages (0.1 1.0 percent accuracy) performance check, and made adjustments if necessary. d. Performed 235 to 1000 psi pneumatic gages (0.1 1.0 percent accuracy) performance check, and made adjustments if necessary. e. Performed 1000 to 5000 psi pneumatic gages (0.1 1.0 percent accuracy) performance check, and made adjustments if necessary. f. Performed Final procedure.	____	____
8. Calibrated vacuum gauges as follows: a. Performed Preliminary instructions. b. Performed Equipment setup. c. Performed vacuum performance check. d. Performed Final procedure.	____	____
9. Replaced the protective covers on all gauges.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	MANUFACTURER'S MANUAL
TB 43-180	
TB 750-25	
TB 9-4931-228-35	
TB 9-6685-319-35	
TB 9-6685-327-35	
USATA MASTER LIST	

Calibrate Fuel Quantity Test Set

093-35H-1530

Conditions: Given a Fuel Quantity Test Set, (PSD 60-IAF); TB 9-6625-2285-50; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2285-50; TB 43-180; TB 750-25; Manufacturer's Manual; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated Fuel Quantity Test Set in accordance with the calibration procedure and TB 43-180 and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	GO	NO GO
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary instructions.	____	____
5. Performed equipment setup.	____	____
6. Performed capacitance measuring section accuracy performance check, and made adjustments if necessary.	____	____
7. Performed capacitance simulation accuracy performance check, and made adjustments if necessary.	____	____
8. Performed megometer accuracy performance check, and made adjustments if necessary.	____	____
9. Performed final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MANUFACTURER'S MANUAL	
TB 43-180	
TB 750-25	
TB 9-6625-2285-50	
USATA MASTER LIST	

Calibrate Bench System Test Set

093-35H-1540

Conditions: Given Bench System Test Set (476-854); TB 9-4920-361-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-4920-361-35; TB 43-180; TB 750-25; TM 55-4920-413-13&P; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated Bench System Test Set in accordance with the applicable calibration procedure and TB 43-180 and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	GO	NO GO
1. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
2. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary instructions.	____	____
5. Performed equipment setup.	____	____
6. Performed output voltages performance check, and made adjustments if necessary.	____	____
7. Performed torque No. 1 and No. 2 performance check, and made adjustments if necessary.	____	____
8. Performed fuel quantity No.1 and No.2 performance check, and made adjustments if necessary.	____	____
9. Performed turbine gas temp No.1 and No.2 performance check, and made adjustments if necessary.	____	____
10. Performed engine oil temp No.1 and No.2 performance check, and made adjustments if necessary.	____	____
11. Performed xmsn oil temp performance check, and made adjustments if necessary.	____	____
12. Performed rotor speed performance check, and made adjustments if necessary.	____	____
13. Performed engine % rpm No.1 and No.2 performance check, and made adjustments if necessary.	____	____
14. Performed gas gen speed No.1 and No.2 performance check, and made adjustments if necessary.	____	____
15. Performed engine oil press No.1 and No.2 performance check, and made adjustments if necessary.	____	____
16. Performed xmsn oil press performance check, and made adjustments if necessary.	____	____
17. Performed inter cal (unit tester) performance check, and made adjustments if necessary.	____	____
18. Performed rotor overspeed (unit tester) performance check, and made adjustments if necessary.	____	____

Performance Measures	GO	NO GO
19. Performed central display and signal data (unit tester) performance check, and made adjustments if necessary.	____	____
20. Performed display update (unit tester) performance check, and made adjustments if necessary.	____	____
21. Performed power supply check if necessary and made adjustments if necessary.	____	____
22. Performed final procedure	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TB 43-180	
TB 750-25	
TB 9-4920-361-35	
TM 55-4920-413-13&P	
USATA MASTER LIST	

Calibrate Jet Cal

093-35H-1550

Conditions: Given a Jet Cal (Tester Exhaust Gas Temperature BH112JB-( )); TB 9-4920-454-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-4920-454-35; TB 43-180; TB 750-25; TM 55-4920-401-13&P; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated Jet Cal in accordance with the applicable calibration procedure and TB 43-180 and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	GO	NO GO
1. Identified correct calibration procedure to be used IAW TB 43-180.	____	____
2. Updated calibration procedure as necessary IAW USATA Calibration Procedure Master List.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed preliminary instructions.	____	____
5. Performed equipment setup.	____	____
6. Performed temperature indicator performance check, and made adjustments if necessary.	____	____
7. Performed calibrator board performance check, and made adjustments if necessary.	____	____
8. Perform % RPM indicator performance check, and made adjustments if necessary.	____	____
9. Performed standard day performance check, and made adjustments if necessary.	____	____
10. Performed heater probe control performance check, and made adjustments if necessary.	____	____
11. Performed insulation resistance performance check, and made adjustments if necessary.	____	____
12. Performed aircraft indicator performance check, and made adjustments if necessary.	____	____
13. Performed final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TB 43-180	
TB 750-25	
TB 9-4920-454-35	
TM 55-4920-401-13&P	
USATA MASTER LIST	

Calibrate Aircraft Weighing Kit

093-35H-1551

Conditions: Given an Aircraft Weighing Kit (BLH, MODEL C1, REVERE, MODELS C7500, C55800-4-25, C46500 CS7, C55800-3-50, or 155-800-00); TB 9-6670-258-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6670-258-35; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated aircraft weighing kit in accordance with TB 43-180 and the applicable calibration procedure and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Visually inspected the aircraft weighing kit for any physical defects.	____	____
2. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
3. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Performed calibration of aircraft weighing kit in accordance with applicable calibration procedure for the model of aircraft weighing kit.	____	____
6. Performed Preliminary instructions.	____	____
7. Performed Equipment setup.	____	____
8. Performed System calibration performance check if applicable, and made adjustments if necessary.	____	____
9. Performed Load test performance check if applicable, and made adjustments if necessary.	____	____
10. Performed Final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	MANUFACTURER'S MANUAL
TB 43-180	
TB 750-25	
TB 9-6670-258-35	
USATA MASTER LIST	

Calibrate Aviation Vibration Analyzer

093-35H-1552

Conditions: Given Aviation Vibration Analyzer (P/N 29085800 / NSN 6625-01-347-8667 and P/N 29313100 / NSN 6625-01-282-3746); TB 9-6625-2310-35; TM 1-6625-724-13&P, TM 1-6625-736-13&P; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-6625-2310-35 and TM 1-6625-736-13&P Paragraph 2-11; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated aviation vibration analyzer in accordance with TB 43-180 and applicable calibration procedure and all safety precautions were observed according to TB 385-4.

Evaluation Preparation: The aviation vibration analyzer P/N 29085800 NSN 6625-01-347-8667 Electronic Test Set is TMDE owned by TMDE Support Teams. The aviation vibration analyzer P/N 29313100 NSN 6625-01-282-3746 is TMDE owned by aviation maintenance units that are customers to TMDE Support Teams. Both aviation vibration analyzer parts are used during the calibration of each other. TB 9-6625-2310-35 is the calibration procedure for P/N 29085800. TM 1-6625-736-13&P paragraph 2-11 is the calibration procedure for the aviation vibration analyzer owned by aviation maintenance units.

Performance Measures	**GO**	**NO GO**
1. Visually inspected the vibration analyzer for any physical defects.	____	____
2. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
3. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Calibrated aviation vibration analyzer P/N 29085800 Electronic Test Set (NSN 6625-01-347-8667) in accordance with calibration procedure as follows: a. Performed Preliminary instructions. b. Performed Equipment setup. c. Performed Signal output level performance check. d. Performed Output frequency performance check. e. Performed Final procedure.	____	____
6. Calibrated aviation vibration analyzer P/N 29313100 (NSN 6625-01-282-3746) in accordance with calibration procedure as follows: a. Performed Program the CADU. b. Performed Setup. c. Performed Procedure to verify calibration of the DAU. d. Performed Calibrated data. e. Performed UTD test. f. De-energized and disconnected the equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	
TB 43-180	

References

Required	Related
TB 750-25	
TB 9-6625-2310-35	
TM 1-6625-724-13&P	
TM 1-6625-736-13&P	
USATA MASTER LIST	

Operate a Compressed Gas (Nitrogen) Cylinder

093-35H-1560

Conditions: Given a Compressed gas (nitrogen) cylinder, a pressure regulator and the necessary connectors, hoses, and adapters, Electrician's tool kit, AR 700-68, MIL-STD 101B, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Operated a compressed gas (nitrogen) cylinder in accordance with TB 385-4 and AR 700-68.

Performance Measures	GO	NO GO
1. Read TB 385-4, Paragraph 6-2.c. and reviewed AR 700-68 at least annually before working with or handling pressurized gas cylinders.	____	____
2. Ensured no more than two cylinders of the same gas were at a workstation at any one time.	____	____
3. Ensured empty cylinders were removed from the workstation.	____	____
4. Checked the identity of the gas by reading the label or other markings on the cylinder before using.	____	____
5. Checked gas cylinder for the correct cylinder color, the correct band size and color, the correct DOT colored tag, and the correct title.	____	____
6. Did not rely solely upon cylinder color for content identification.	____	____
7. Inspected the gas cylinder for scratches, dents, bulges, corrosion pits, scorch or burn marks, or any other physical indications that exceed the acceptable specifications for pressurized cylinders.	____	____
8. Kept the removable valve protection and valve outlet caps and plugs in place until connecting the cylinder for use.	____	____
9. Placed the gas cylinder in an upright position and secured it to prevent an accidental upset or fall and to prevent it from striking another object.	____	____
10. Removed valve protector caps.	____	____
11. Examined the outlet of the valve for any dirt or other contamination before attaching a regulator.	____	____
12. Cleared outlet of the valve of any dust and dirt by pointing the valve outlet away from personnel and slightly opening the valve (1/4 turn) and immediately closing it for an instantaneous burst of pressure.	____	____
13. Mounted a thread-matched regulator onto the gas cylinder.	____	____
14. Opened the regulator control fully.	____	____
15. Cleared outlet of the regulator of any dust and dirt by pointing the regulator outlet away from personnel and slightly opening the cylinder valve (1/4 turn) and immediately closing it for an instantaneous burst of pressure.	____	____
16. Closed the regulator control.	____	____
17. Opened the cylinder valve slowly, using proper tools or by hand if fitted with a hand wheel, to prevent a sudden discharge of gas.	____	____

Performance Measures	GO	NO GO
18. Ensured no hammering or use of improper wrenches was used to attempt to open or close a stuck valve. If necessary the cylinder was tagged and taken to an authorized facility to have the valve replaced.	____	____
19. Opened the cylinder valve fully and then closed it to 1/2 turn from full open to free the valve for rapid operation if necessary.	____	____
20. Performed a pressure test using the regulator control.	____	____
21. Ensured at least 15 psig remained in the cylinder, or ensured the cylinder was emptied and purged if less than 15 psig remained in the cylinder.	____	____
22. Closed the cylinder valve tightly when finished with the pressure test.	____	____
23. Released all gas from the regulator.	____	____
24. Closed the regulator control.	____	____
25. Removed the regulator from the gas cylinder.	____	____
26. Replaced the valve protector caps.	____	____
27. Returned and secured the gas cylinder to its storage area.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
MIL-STD 101B	
TB 385-4	

Calibrate Pitot Static Tester

093-35H-1570

Conditions: Given Pitot Static Tester (TS-4463()/P); TB 9-4920-459-35; Forms, Records, and Reports and Equipment and Accessories required as listed in TB 9-4920-459-35; TB 43-180; TB 385-4, TB 750-25; and U.S. Army TMDE Activity (USATA) Calibration Procedure Master List. This task can be performed in a field or garrison environment.

Standards: Calibrated Pitot static tester in accordance with TB 43-180 and the applicable calibration procedure and all safety precautions were observed in accordance with TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Visually inspected the pitot static tester for any physical defects.	____	____
2. Identified correct calibration procedure to be used in accordance with TB 43-180.	____	____
3. Updated calibration procedure as necessary in accordance with USATA Calibration Procedure Master List.	____	____
4. Observed all safety precautions, warnings, and hazards.	____	____
5. Performed preliminary instructions.	____	____
6. Performed Equipment setup.	____	____
7. Performed Altitude performance check, and made adjustments if necessary.	____	____
8. Performed Airspeed performance check, and made adjustments if necessary.	____	____
9. Performed Final procedure.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	TM 43-4920-910-12
TB 43-180	TM 43-4920-910-40
TB 750-25	
TB 9-4920-459-35	
USATA MASTER LIST	

Subject Area 7: Radiac

Operate RADIAC Calibrator Sets

093-35H-1600

Conditions: Given RADIAC calibrator set (AN/UDM-2 and the equipment and accessories (or equivalent) issued with the set); various RADIAC to act as Units Under Test (UUT), Radiation Room or working area, safety glasses, whole body and wrist thermo luminescent dosimeters (TLD), "active" RADIAC survey meter, proper certification of safety indoctrination and training; proper supervision, TB 11-6665-227-12, TM 11-6665-227-12, 10 CFR 19, 10 CFR 20, 10 CFR 21, AR 11-19, local RADIAC SOP, TB 43-180, TB 385-4, calibration procedures for test instruments, and TB 750-25. This task can be performed in a field or garrison environment.

Standards: Operated RADIAC calibrator set in accordance with applicable technical reference(s) and all safety precautions were observed according to TB 385-4 and local SOP.

Performance Measures	**GO**	**NO GO**
1. Read and followed the operating and safety instructions in given reference(s).	____	____
2. Visually inspected the RADIAC calibrator set and RADIAC test instruments for any physical defects.	____	____
3. Observed all safety precautions, warnings, and hazards.	____	____
4. Performed survey of radiation room or work area.	____	____
5. Performed PMCS of RADIAC calibrator set in accordance with TM 11-6662-227-12.	____	____
6. Performed operation of RADIAC calibrator set in accordance with calibration procedure for RADIAC acting as test instruments.	____	____
7. Secured RADIAC calibrator set.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
10 CFR 19	
10 CFR 20	
10 CFR 21	
AR 11-9	
AR 700-68	
SOP	
TB 11-6665-227-12	
TB 385-4	
TB 43-180	
TB 750-25	
TM 11-6665-227-12	

Subject Area 8: Calibration Set 2000 (CALSET 2000)

Perform Preventive Maintenance Checks and Services on a Generator Set

091-52D-1111

Conditions: In a field or garrison environment, given a generator set, optical anti freeze tester, battery, goggles, apron, general mechanic's tool kit, rags, applicable technical publications and forms, hearing protection, and with supervision/assistance.

Standards: Perform preventive maintenance checks and services (PMCS) on a generator IAW the applicable technical publications.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Remove all rings, watches, and jewelry. Do not operate generator equipment in an enclosed area unless the area is adequately ventilated. Smoking, sparks, or open flame are not allowed within 50 feet of a generator set that is undergoing fuel system maintenance. Use care when handling fan and radiator. Sharp edges can cause injury. Dry-cleaning solvent is flammable and should not be used in the vicinity of sparks or open flame. When using compressed air, wear eye shields. Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on battery systems, wear rubber gloves and goggles. Before working on the exhaust system, make sure it is cool. Prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components, disconnect the negative battery cable. While cutting metal with an oxyacetylene torch, wear leather gloves, leather apron, and welding goggles. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required. Do not smoke or use an open flame in the vicinity when filling a fuel tank. Do not operate generator set unless ground terminal stud has been connected to a suitable ground. Do not attempt to alter the position of the voltage reconnection board while the generator set is operating. Do not attempt to connect or disconnect load leads while the generator set is operating. Be careful not to inhale ether gas. Do not allow a crated generator set to swing while it is suspended.

Performance Measures	**GO**	**NO GO**
1. Select and use applicable publications.	____	____
2. Select and use applicable tools to perform PMCS on a generator set.	____	____
3. Practice shop safety and maintenance discipline.	____	____
4. Perform before-operation PMCS on a generator set.	____	____
5. Operate the generator set.	____	____
6. Perform during-operation PMCS.	____	____
7. Shut down the generator set.	____	____
8. Perform after-operation PMCS.	____	____
9. Ensure required maintenance forms have been completed.	____	____
10. Maintain tools and equipment.	____	____

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required	**Related**
DA FORM 2404	DA PAM 738-750

References

Required

DA FORM 5988-E
TM 5-6115-271-14
TM 5-6115-423-15
TM 5-6115-440-10
TM 5-6115-465-12
TM 5-6115-545-12
TM 5-6115-584-12
TM 5-6115-585-12
TM 5-6115-586-12
TM 5-6115-590-12
TM 5-6115-593-12
TM 5-6115-596-14
TM 5-6115-600-12
TM 5-6115-612-12
TM 5-6115-614-12
TM 5-6115-615-12
TM 5-6115-629-14&P
TM 9-6115-464-12
TM 9-6115-641-10
TM 9-6115-642-10
TM 9-6115-643-10
TM 9-6115-644-10
TM 9-6115-644-24
TM 9-6115-645-10
TM 9-6115-663-13&P

Related

FM 5-424
TM 5-6115-440-20
TM 5-6115-465-34
TM 5-6115-545-34
TM 5-6115-584-34
TM 5-6115-585-34
TM 5-6115-590-34
TM 5-6115-600-34
TM 5-6115-612-34
TM 5-6115-615-34
TM 9-2815-252-24
TM 9-2815-254-24
TM 9-2815-256-24
TM 9-6115-542-24&P
TM 9-6115-545-24P
TM 9-6115-624-BD
TM 9-6115-641-24
TM 9-6115-642-24
TM 9-6115-643-24
TM 9-6115-645-24

Drive Vehicle With Semiautomatic Transmission

551-721-1364

Conditions: Given an M9l5 tractor with or without semitrailer with before-operation maintenance performed.

Standards: You must safely drive the vehicle following traffic regulations and rules of the road. You must have full control of the vehicle going forward and backward. You must shift through all gears and maintain a smooth forward motion. All driving maneuvers must be made without damaging the vehicle or physical surroundings and without injuring personnel.

Evaluation Preparation: Setup: Provide the soldier with a vehicle and a route to follow. Brief Soldier: Tell the soldier to drive the vehicle safely, shifting through all gear. Tell him to drive the vehicle to preselected points and final destination and return to departure point.

Performance Measures	**GO**	**NO GO**
1. Prepare to drive the vehicle.	____	____
2. Set the vehicle in motion.	____	____
3. Shift the gears.	____	____
4. Turn the vehicle.	____	____
5. Stop the vehicle (nonemergency).	____	____
6. Back the vehicle.	____	____
7. Park the vehicle.	____	____

Evaluation Guidance: Score the soldier Go if all steps are passed. Score the soldier No-Go if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required	**Related**
FM 21-305	

Skill Level 3

Subject Area 9: Maintenance Operations

Prepare Secondary Transfer Set for Mobile Operations

093-35H-3000

Conditions: Perform this task given the following: Secondary Transfer Set, generator set, company standing operating procedure (SOP), and equipment technical references, Electrician's tool kit. This task can be performed in a field or garrison environment.

Standards: Assembled personnel, secondary transfer set, generator set, repair parts, tool kits, vehicle dispatch, completed vehicle load plan according to company standing operating procedures (SOP) and technical references needed for mobile operations. All safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Assigned personnel to the secondary transfer set for mobile operations.	____	____
2. Read and followed the company's standing operating procedures and OPORD for the mobile operations.	____	____
3. Assigned operators to performs PMCS on equipment assigned to mobile operations.	____	____
4. Contacted the parent unit.	____	____
5. Briefed personnel assigned to the mobile operations.	____	____
6. Arranged for transportation to area of operation.	____	____
7. Assembled equipment needed to perform the mobile operations.	____	____
8. Performed pre movement inspection for both personnel and equipment.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	
TB 43-180	
TB 750-25	

Repair Radio Test Sets

093-35H-3010

Conditions: Perform this task given the following: radio test sets, electrician's tool kit, DA Label 80, DA Form 2417, technical manual, equipment listed in the bulletin, TB 43-180, TB 385-4, and TB 750-25. This task can be performed in a field or garrison environment.

Standards: Troubleshot an radio test sets in accordance with the technical manualand all safety precautions were observed according to TB 385-4. DA Label 80 or DA Form 2417 was completed according to TB 750-25.

Performance Measures	GO	NO GO
1. Visually inspected the radio test sets for any physical defects.	____	____
2. Read and followed the preliminary instructions given in technical reference.	____	____
3. Set up the equipment needed to perform troubleshooting procedures on the radio test sets.	____	____
4. Performed operational circuit checks to sectionalize the malfunction.	____	____
5. Performed a schematic analysis and functional test to locate the malfunction.	____	____
6. Performed resistance and continuity tests and power tests to isolate the malfunction.	____	____
7. De-energized and disconnected all the equipment.	____	____
8. Annotated and affixed a DA Label 80 or a DA Form 2417 as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TB 385-4	
TB 43-180	
TB 750-25	

Perform Duties as RADIAC Custodian

093-35H-3020

Conditions: Perform this task given the following: TMDE maintenance facility, local post and unit standing operating procedures, AR 11-9, AR 25-400-2, AR 40-5, and technical bulletins for handling, monitoring, wipe test, transporting, reporting, storage, and disposal of radioactive materials. This task can be performed in a field or garrison environment.

Standards: The RADIAC custodian duties were performed according to the publications listed in the condition statement.

Performance Measures	GO	NO GO
1. Developed an inspection schedule.	____	____
2. Located copies of local standing operating procedures.	____	____
3. Located copies for prior inspection reports.	____	____
4. Performed wipe test on RADIAC equipment properly.	____	____
5. Performed inspection of the RADIAC equipment, radioactive materials and areas according to the following inspection areas: a. Verified personnel handling radioactive materials and RADIAC equipment properly. b. Verified radioactive materials and RADIAC equipment were storaged properly. c. Verified RADIAC equipment and radioactive materials have proper paper work prior to transportation. d. Verified personnel were disposing of RADIAC equipment and radioactive materials properly.	____	____
6. Corrected or listed corrective action to fix deficiencies listed on the report.	____	____
7. Prepared final report.	____	____
8. Filed copy of final report.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 11-9	TB 43-180
AR 25-400-2	TB 750-25
AR 40-5	

Maintain Automated System

093-35H-3030

Conditions: Given Automated system within AN/GSM-705( ), Calibration Set Secondary Transfer Standards, cables and connectors, TM 9-6695-239-14 and/or Manufacturer's Manuals, and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Maintained the Automated system within the AN/GSM-705( ) (Calibration Set Secondary Transfer Standards in accordance with TM 9-6695-239-14 and Manufacturer's Manuals and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Observed all safety precautions, warnings, and hazards.	____	____
2. Maintained the following equipment as an Automated system within AN/GSM-705( ) in accordance with TM 9-6695-239-14 and manufacturer's manuals: a. 10Base-T hub b. Fiber optic hub c. Flat panel display d. Ice workstations e. Keyboard and mouse receiver f. Media converters g. Network router h. Network server i. Power conditioners j. Printer k. RAID cabinet with storage drives l. Redundant power supply m. SEP (signal entry panel) n. Server Keyboard and Mouse Receiver o. UPS (uninterruptible power supply) p. Video and optic network cables	____	____
3. De-energized and disconnected equipment as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
MANUFACTURER'S MANUAL	TM 9-6695-240-14
TM 9-6695-239-14	
TB 385-4	

Perform Supply Operations/Database Maintenance Using Automated Procedures

093-35H-3031

Conditions: Review the supply operations/database maintenance using automated procedures given the following: AR 710-2, DA PAM 710-2-2, local SOP and reports processes by the automated database. This task can be performed in a field or garrison environment.

Standards: Reviewed all reports required from the automated database and supply operation in accordance with AR 710-2, and DA PAM 710-2-2.

Performance Measures	**GO**	**NO GO**
1. Checked bench stock according to AR 710-2 and DA PAM 710-2-2: a. Ensured bench stock was made up of low-cost expendable items. b. Ensured bench stock was stored near the work area. c. Ensured replenished tags and lists were maintained with the bench stock. d. Ensured that bench stock was ordered on a prescribed schedule as needed. e. Ensured that the bench stock was ordered under correct UND. f. Bench stock list was reviewed semiannually.	____	____
2. Checked the shop stock items as listed below: a. Ensured repair parts and consumables listed on the shop stock list met the criteria listed in AR 710-2 and DA PAM 710-2-2. b. Items listed were demanded-supported. c. Ensured excess stocks were returned within 10 days of review. d. Ensured replenishment of stock was based on reorder point (ROP). e. Ensured the shop stock list was signed by unit commander and submitted to the supply support activity.	____	____
3. Reviewed the automated maintenance reports for discrepancies.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
AR 710-2	TB 43-180
DA PAM 710-2-2	TB 750-25
TB 385-4	

Conduct Quality Assurance Inspection

093-35H-3050

Conditions: Perform this task given the following: Secondary Transfer Calibration team re-certification and mobile loop schedules, local standing operating procedures, local safety records, all required reports, documentation, charts, and graphs, applicable technical publication, prior inspection reports, AR 190-51, AR 750-43, DA Pam 738-750, TB 385-4, TB 750-25. This task can be performed in a field or garrison environment.

Standards: The quality assurance inspection was performed according to the publication listed in the condition.

Performance Measures	GO	NO GO
1. Developed an inspection schedule.	____	____
2. Conducted an inspection in briefing.	____	____
3. Selected the equipment for end item verification inspection.	____	____
4. Conducted an inspection and assigned a rating in the following functional areas: a. Safety, to include personnel, gas cylinder, and other safety. b. Management operations, to include administrative, procedural, publications, and technical operations. c. Facilities. d. RADIAC equipment. e. External support. f. Customer assistance.	____	____
5. Compiled the inspection report.	____	____
6. Conducted an inspection out-briefing.	____	____
7. Submitted the formal inspection report.	____	____
8. Reviewed the inspection report reply for corrective action, if applicable.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 190-51	TB 43-180
AR 750-43	TB 750-25
DA PAM 738-750	
TB 385-4	

Submit a Quality Deficiency Report (QDR)

093-SSG-3004

Conditions: Given the requirement to submit a quality deficiency report (QDR) for a serious or recurring maintenance problem. You are given the following items: AR 725-50, DA Form 2404, DA Form 2407, DD Form 173/1, DD Form 1575, DD Form 2332, DA Pam 738-750, SF 368, and TB 43-0001-series for equipment used. This task can be performed in a field or garrison environment.

Standards: Identified conditions that indicated a quality deficiency existed, prepared the appropriate report form, and identified and retained QDR exhibits.

Performance Measures	**GO**	**NO GO**
1. Identified conditions that indicated a quality deficiency exists. a. A condition in or with the equipment which is dangerous to people, other equipment, or the mission. b. An item or equipment that did not work right or last as long as it should because of bad design or materials. c. Items that were not within the approved equipment specifications. d. Low quality workmanship. e. Dangerous situations due to incorrect or missing data. f. Maintenance problems. g. Conditions that prevented using the equipment. h. Repeated problems that took a lot of time and no solution in sight. i. Problems requested to be reported by the National Maintenance Point (NMP).	____	____
2. Identified Category I deficiencies. a. A defect that may have caused death, injury, or severe job illness. b. A defect that would have caused loss or major damage to a weapon system. c. A defect that would critically restricted the combat readiness capabilities of the unit.	____	____
3. Sent in a Category I deficiency report. a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11. b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (may be phoned in). c. Sent message within 48 hours after defect or problem was found. d. Kept one copy of the SF 368 until the case was closed by the Army screening point. e. Sent one copy of the SF 368 to the support maintenance activity. NOTE Send SF 368 even if - - (1) Correspondence indicated the problem was known to exist (unless corrective action is printed in the Equipment Improvement Recommendation and Digest). (2) Other units had sent in a QDR on the same problem. f. Identified defective equipment as exhibits.	____	____
4. Identified Category II deficiencies (a defect or recommendation that did not meet the criteria for a Category I deficiency).	____	____
5. Sent in a Category II deficiency report. a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11. b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11.	____	____

Performance Measures	**GO**	**NO GO**
c. Sent a message within 5 days after defect or problem was found.		
d. Kept one copy of the SF 368 until the case was closed by the Army screening point.		
e. Send one copy of the SF 368 to the support maintenance activity.		
NOTE: Sent SF 368 even if - -		
(1) Correspondence indicates the problem was known to exist (unless corrective action was printed in the Equipment Improvement Recommendation and Digest.		
(2) Other units had sent in a QDR on the same problem.		
f. Identified defective equipment as exhibits.		
6. Retained QDR exhibits:	___	___
a. Tagged each exhibit with DD Form 1575, and DD Form 2332 and classified it in a suspended supply condition code in accordance with AR 725-50.		
b. Ensured exhibits were not taken apart at organizational or support maintenance levels just to see cause of the problem.		
c. Kept the SF 368 for at least 60 days or until disposition instructions were received from the responsible command.		
d. Secured and /or segregated exhibits from all other materiel.		

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	**Related**
AR 725-50	AR 702-7
DA FORM 2404	AR 702-7-1
DA FORM 2407	DA PAM 738-751
DA PAM 738-750	
DD FORM 1575	
DD FORM 173/1	
DD FORM 2332	
SF 368	
TB 43-0001-SERIES	

Submit Equipment Improvement Recommendation (EIR)

093-SSG-3005

Conditions: You have found a better way to repair a piece of electronic equipment. Submit an equipment improvement recommendation (EIR), given the following items AR 672-20, DA Pam 738-750, DD Form 173/1, and SF 368. This task can be performed in a field or garrison environment.

Standards: Prepared the appropriate report forms for a recommended equipment improvement and checked AR 672-20 to see if the EIR qualified as a suggestion.

Performance Measures	**GO**	**NO GO**
1. Suggested a method to improve the performance and /or maintenance of equipment. a. A condition in or with the equipment which is dangerous to people, other equipment, or the mission. b. An item or piece of equipment that does not work right or last as long as it should because of bad design or materials. c. Items that are not within the approved equipment specifications. d. Low-quality workmanship. e. Dangerous situations due to incorrect or missing data. f. Maintenance problems. g. Conditions that prevent using the equipment. h. Repeated problems that take a lot of time with no solution in sight. i. Problems requested to be reported by the National Maintenance Point (NMP).	____	____
2. Identified Category I improvements. a. That prevent death, injury, or severe job illness. b. That prevent loss or major damage to equipment. c. Improvements that would affect the combat readiness capabilities of the unit.	____	____
3. Sent in a Category I equipment improvement recommendation. a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11. b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (may be phoned in). c. Sent a message within 48 hours after defect or problem was found. d. Kept one copy of the SF 368 until the case is closed by the Army screening point. e. Sent one copy of the SF 368 to the support maintenance activity.	____	____
4. Identified Category II recommendation (a recommendation that does not meet the criteria of a Category I equipment improvement recommendation).	____	____
5. Sent in a Category II deficiency report. a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11. b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (May be phoned in). c. Sent a message within 5 days after defect or problem was found. d. Kept one copy of the SF 368 until the case is closed by the Army screening point. e. Sent one copy of the SF 368 to the support maintenance activity.	____	____
6. Checked AR 672-20 to see if the EIR qualified as a suggestion.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	**Related**
AR 672-20	DA PAM 738-751
DA PAM 738-750	
DD FORM 173/1	
SF 368	

Plan Work Flow

093-SSG-3006

Conditions: Perform this task given DA Forms 2407 or DA Form 55988-E/job packets with various issue priority designators, a visible index file showing the shop workload summary, and TM 38-L09-11. This task can be performed in a field or garrison environment.

Standards: Distributed all DA Forms 2407 or DA Form 5988-E/job packets by issue priority designators, highest priorities first. Ensured the visible index file were up to date, legible, and complete according to TM 38-L09-11.

Performance Measures	GO	NO GO
1. Arranged the DA Forms 2407/job packets by issue priority designators, highest priorities first.	____	____
2. Used the DA Forms 2407/job packets in the same order to assign jobs to repairers.	____	____
3. Monitored the work as the jobs went through the repair process.	____	____
4. Assigned new jobs to the repairers as they completed the one they were assigned.	____	____
5. Reviewed all paper work within the job packets for completeness.	____	____
6. Updated the visible index file.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
DA FORM 2407	DA PAM 738-750
DA FORM 2407-1	DA PAM 738-751
DA FORM 5990-E	FM 4-30.3
TM 38-L09-11	

Direct Performance of Preventive Maintenance

093-SSG-3007

Conditions: Perform this task given personnel to perform preventive maintenance, DA Form 2408-14, DA Form 2404 or DA Form 5988-E, DD Form 314, DA Pam 738-750, DA Pam 738-751, and Vehicle -10 series technical manuals. This task can be performed in a field or garrison environment.

NOTE: All the information from DA Form 2408-14 is now included in DA Form 5988-E.

Standards: Performed all preventive maintenance checks and services (PMCS) according to the applicable -10 series technical manuals. Completed DA Form 2404 or DA Form 5988-E, DA Form 2408-14, and DD Form 314 according to DA Pam 738-750 or DA Pam 738-751.

Performance Measures	**GO**	**NO GO**
1. Coordinated with the motor pool section prior to performing section/shop vehicle preventive maintenance checks and services (PMCS).	____	____
2. Reviewed the DD Form 314 and the applicable -10 series technical manuals to conduct weekly vehicle PMCS.	____	____
3. Identified hazards to the environment before starting preventive maintenance.	____	____
4. Assigned jobs and ensured that repairers knew what PMCS must be performed.	____	____
5. Spot-checked the work being performed and ensured that the repairers were using the applicable technical manuals.	____	____
6. Assessed the probability of environmental damage/violations using environmental risk-assessment matrices during preventive maintenance.	____	____
7. Spot-checked corrective actions taken for all defects listed on DA Form 2404.	____	____
8. Coordinated with the maintenance sergeant to repair vehicles requiring services beyond the driver's responsibility. a. Ensured the repairer placed a drip pan under any equipment leaking fluids onto the ground. b. Made sure parts for repair which were not available were entered on DA Form 5988-E or DA Form 2408-14.	____	____
9. Checked the DD Form 314 for correctness.	____	____
10. Reported vehicle statuses to section/shop supervisor.	____	____
11. Briefed the chain of command on any observed environmental potential high-risk areas during preventive maintenance.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	**Related**
DA FORM 2404	AR 200-1
DA FORM 2408-14	DA PAM 200-1
DA FORM 5988-E	FM 4-30.3
DA PAM 738-750	TC 3-34.489
DA PAM 738-751	

References

Required

DD FORM 314

Related

Provide Technical Assistance to Repairers

093-SSG-3008

Conditions: Given DA Pam 738-750, DA Pam 738-751,TB 385-4 and a repairer in your electronic/avionic maintenance shop requires technical assistance. This task can be performed in a field or garrison environment.

Standards: Provided technical assistance that enabled the repairer to perform the repair procedures correctly.

Performance Measures	GO	NO GO
1. Determined the type of assistance needed by the repairer, such as isolating the malfunction, repairing the malfunction, or making proper entries on the paperwork.	____	____
2. Reviewed DA Form 2404 or DA Form 5988-E and DA Form 2407 or DA Form 5990-E to determine reason for maintenance or repair.	____	____
3. Verified repairer observed WARNING, CAUTION, and NOTE statements in applicable references and observed all safety precautions.	____	____
4. Reviewed the repair procedures performed by the repairer.	____	____
5. Provided technical assistance to the repairer.	____	____
6. Counseled repairer on areas of technical weakness.	____	____
7. Recommended technical material and training to increase repairer's expertise.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
DA FORM 5988-E	DA FORM 2404
DA FORM 5990-E	DA FORM 2407
DA PAM 738-750	
DA PAM 738-751	
TB 385-4	

Perform Initial Inspections

093-SSG-3009

Conditions: Given the applicable technical manuals, equipment to be inspected, DA Form 2404 or DA Form 5988-E, DA Form 2407 or DA Form 5990-E, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Performed the initial inspection by ensuring that the equipment was repairable according to the applicable technical manuals, all defects had been found, and all maintenance forms were completed according to DA Pam 738-750 or DA Pam 738-751.

Performance Measures	GO	NO GO
1. Checked submitted paperwork for completeness and accuracy.	____	____
2. Inspected the equipment for physical damage and determined if it was feasible to repair the equipment.	____	____
3. Ensured that operator maintenance had been performed on the equipment.	____	____
4. Inventoried the equipment to ensure that it was complete.	____	____
5. Ensured that all modification work orders (MWOs) had been completed.	____	____
6. Performed self-tests or checks on the equipment if necessary.	____	____
7. Recorded all defects or reasons for rejecting the equipment on DA Form 2404 or DA Form 5899-E.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
DA FORM 2404	DA PAM 750-1
DA FORM 2407	FM 4-30.3
DA FORM 5988-E	TM 750-245-4
DA FORM 5990-E	
DA PAM 738-750	
DA PAM 738-751	

Perform Final Inspections

093-SSG-3010

Conditions: Given the applicable technical manuals, equipment to be inspected, DA Form 2404 or DA Form 5988-E1, DA Form 2407 or DA Form 5990-E, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Performed final inspection. Ensured that the equipment was complete according to the applicable technical manuals, all defects identified in previous inspections have been corrected, any additional defects have been recorded on DA Form 2404 or DA Form 5988-E, and all forms were completed according to DA Pam 738-750 or DA Pam 738-751.

Performance Measures	**GO**	**NO GO**
1. Checked the equipment to determine if it was complete and that all defects found on the initial and in-process inspections have been corrected.	____	____
2. Ensured that all forms and records were complete and correct.	____	____
3. Recorded any additional defects on DA Form 2404 or DA Form 5988-E and returned the equipment to production control.	____	____
4. Signed and dated DA Form 2407 or DA Form 5990-E when the equipment passed inspection.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	**Related**
DA FORM 2404	DA PAM 750-1
DA FORM 2407	FM 4-30.3
DA FORM 5988-E	TM 750-245-4
DA FORM 5990-E	
DA PAM 738-750	
DA PAM 738-751	

Perform In-Process Inspection

093-SSG-3012

Conditions: Given applicable inspection forms, a repairer performing repairs on equipment, applicable technical manuals, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Performed in-process inspection. Ensured that the proper tools and equipment were being used and all safety rules and warnings were followed according to the applicable technical manuals. Completed all forms according to DA Pam 738-750 or DA Pam 738-751. Reported inspection results.

Performance Measures	GO	NO GO
1. Ensured that the proper tools and equipment were used.	____	____
2. Ensured that the proper repair procedures were followed.	____	____
3. Ensured that only authorized repair parts and supplies were used.	____	____
4. Ensured that only authorized repairs were performed on the equipment.	____	____
5. Ensured that only authorized personnel maded the repairs.	____	____
6. Ensured that all safety rules and warnings were followed.	____	____
7. Ensured that all forms were filled out correctly.	____	____
8. Made an oral or written report of the inspection to the repair section chief and the quality control section supervisor.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure is performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
DA PAM 738-750	FM 4-30.3
DA PAM 738-751	TM 750-245-4

Subject Area 10: Maintenance Management

Manage Cross Checks

093-35H-3040

Conditions: Perform this task given the following: selected TMDE standards from the Secondary Transfer Calibration Standards Sets and the equipment and accessories (or equivalent) issued with the set, selected calibration procedures, selected calibration standards and accessories, applicable calibration test reports and forms and TB 385-4. This task can be performed in a field or garrison environment.

Standards: Cross check procedures on measurement standards were performed according to technical reference and all safety precautions were observed according to TB 385-4.

Performance Measures	**GO**	**NO GO**
1. Ensured that the correct standards were identified for cross checks.	____	____
2. Ensured that cross checks were being performed as follows: a. Before placing the standards into service. b. Before submitting the standards for recertification. c. When there was doubt about the accuracy of a standard. d. When arriving at a site to perform calibration support and again before departing the site (mobile teams only).	____	____
3. Ensured that cross check data tables and forms were complete and all information was accurate.	____	____
4. Ensured that proper procedures were followed when a standard was inoperable or failed to cross check.	____	____
5. Ensured that cross check records were maintained and copies distributed as required.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TB 385-4	

Manage Shop Operations Using Automated Procedures

093-35H-3060

Conditions: Perform this task given the following local standing operating procedures, job ordered equipment with priority designators, and shop automated reports. This task can be performed in a field or garrison environment.

Standards: Managed shop operations by using the current shop automated reports. Issued out job orders by the priority designators starting with the highest priorities.

Performance Measures	GO	NO GO
1. Reviewed the current shop automated reports.	____	____
2. Established work orders according to their priority designators.	____	____
3. Issued out job orders according to their priority designators.	____	____
4. Monitored the work as the jobs go through the repair process.	____	____
5. Reviewed all paper work within the job packets for completeness.	____	____
6. Updated the job copies of the automated reports as appropriate.	____	____

Evaluation Guidance: Score the soldier go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
	TB 385-4
	TB 43-180
	TB 750-25

Inspect Section/Shop Safety

093-SSG-3001

Conditions: Perform this task given a requirement to inspect an electronic or avionics maintenance shop area and given the following references: AR 40-5, AR 385-10, DA Pam 40-501, DA Pam 385-1, TB 385-3, TB 385-4, TB MED 523, Unit and local safety standing operating procedures (SOPs), and Unit Safety Checklist. This task can be performed in a field or garrison environment.

Standards: Inspection was conducted to ensure that all Army, company, and maintenance shop safety policies, regulations, and local SOPs were followed; all safety hazards were identified; environmental risk assessment to determine high risks areas was performed, and all deficiencies were corrected. Established an inspection schedule regarding what to inspect and how frequently. Recorded deficiencies and recommended corrective actions and retained these reports to check progress. Followed up to ensure deficiencies had been corrected.

Performance Measures	**GO**	**NO GO**
1. Reviewed the Army, company, and maintenance shop safety policies, regulations, and local SOPs.	____	____
2. Ensured that all of the Army safety references and company and maintenance shop SOPs were being followed.	____	____
3. Planned inspections so that all areas were covered periodically. a. Identified hazards to the environment prior to the inspection process. b. Assessed the probability of environmental damage/violations using environmental risk-assessment matrices before the inspection process.	____	____
4. Scheduled the inspection so that normal operations were disrupted as little as possible.	____	____
5. Inspected areas with the greatest potential for accident severity and those having the highest accident frequency more frequently.	____	____
6. Developed a suitable checklist of items to be inspected in accordance with AR 385-10, AR 40-5, DA Pam 40-501, DA Pam 385-1, TB 385-3, TB 385-4, TB MED 523, and maintenance section/shop SOPs.	____	____
7. Inspected the maintenance section/shop to ensure that all test equipment calibration dates were current.	____	____
8. Inspected the maintenance section/shop to ensure that all equipment and benches were properly grounded.	____	____
9. Inspected the maintenance section/shop to ensure that a mounted safety board was present.	____	____
10. Inspected the maintenance section/shop to ensure that rubber floor mats or similar insulating materials were provided for each repair position.	____	____
11. Inspected the maintenance section/shop to ensure that all power attachments, plugs, and connectors were serviceable with no exposed current-carrying parts except the prongs.	____	____
12. Inspected the maintenance section/shop to ensure that all physical and high-voltage hazards had been identified.	____	____
13. Inspected the maintenance section/shop to ensure it was complying with host nation, local, state and federal environmental laws and regulations.	____	____

Performance Measures	GO	NO GO
14. Briefed the chain of command on the results, potential high-risk areas, and recommendations from the safety inspection.	____	____
15. Identified all safety hazards and took corrective action.	____	____
16. Ensured that any deficiencies found were corrected.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
AR 385-10	AR 200-1
AR 40-5	AR 385-40
DA PAM 385-1	DA PAM 200-1
DA PAM 40-501	FM 3-04.500
TB 385-3	FM 4-30.3
TB 385-4	TB 43-0129
TB MED 523	TC 3-34.489

Manage Section/Shop Security

093-SSG-3002

Conditions: Given AR 190-13, AR 380-5, AR 380-19, AR 380-40, DA Pam 190-51, FM 19-30, and local and unit standing operating procedures (SOPs). This task can be performed in a field or garrison environment.

Standards: Ensured that all Army security policies and regulations and the maintenance shop and local SOPs were followed. Identified and reported all security deficiencies and ensured that all deficiencies were corrected.

Performance Measures	GO	NO GO
1. Reviewed all of the Army security policies and regulations and the maintenance shop and local SOPs.	____	____
2. Ensured a work place risk analysis was performed.	____	____
3. Ensured that physical security policies, regulations, and SOPs were followed.	____	____
4. Ensured that classification and marking policies were followed.	____	____
5. Ensured that all security control policies and regulations were followed.	____	____
6. Ensured that personnel security and signal training policies were followed: a. Initial security training and briefing for newly assigned personnel. b. Refresher security training for assigned personnel. c. Procedures for identifying and reporting insecurities.	____	____
7. Ensured that signal security (SIGSEC) policies and regulations were followed: a. Ensured subordinates followed all Army and unit policies and regulations covering communications security (COMSEC) procedures. b. Ensured subordinates followed all Army and unit policies and regulations covering electronic security (ELSEC) procedures.	____	____
8. Identified and reported all security deficiencies and ensured that all deficiencies were corrected.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
AR 190-13	AR 5-12
AR 380-19	DA PAM 25-380-2
AR 380-40	FM 24-33
AR 380-5	FM 34-60
DA PAM 190-51	FM 4-30.3
FM 3-19.30	

Maintain Section/Shop Calibration Program

093-SSG-3003

Conditions: Given the maintenance section/shop calibration program, TB 43-180, TB 750-25, and company SOP. The following resources will be available: DA Form 3758-R, DA Label 80, TMDE master listing for the maintenance section/shop calibration program, and company SOP. This task can be performed in a field or garrison environment.

Standards: Maintained a master listing for all calibrated equipment assigned to the maintenance section/shop in accordance with TB 43-180, TB 750-25, and company SOPs. Reviewed the section/shop calibration listing for equipment due calibration on a monthly basis and updated status on all calibration equipment still turned in to the calibration support unit.

Performance Measures	**GO**	**NO GO**
1. Identified all equipment listed on section/shop hand-receipts that might require a calibration label: a. Test equipment. b. Equipment modules. c. Dummy loads. d. Voltage test probes. e. Radiac equipment. f. Motor pool equipment. g. Power supplies.	____	____
2. Determined which equipment identified was listed in TB 43-180: a. Identified equipment requiring calibration. b. Identified equipment for which calibration was not required (CNR).	____	____
3. Prepared DA Form 3758-R if any new equipment not listed in TB 43-180 required calibration.	____	____
4. Maintained a master listing for all calibration items in the maintenance section/shop.	____	____
5. Scheduled equipment for calibration: a. Staggered like equipment, when possible, so that there was always equipment available on site. b. Assigned a higher priority for critical TMDE when necessary. c. Scheduled plug-in modules and accessories for calibration with the major piece of equipment. d. Reviewed signature cards and orders, as required locally, to update customer files and for the first appointment.	____	____
6. Prepared CNR labels, as required, for remaining equipment.	____	____
7. Turned in/picked up equipment from the calibration facility: a. Turned in equipment with a minimum of accessories and covers. b. Obtained signed and dated receipt for equipment. c. Inspected equipment for damage and accessories before signing. d. Obtained calibration listings when available.	____	____
8. Updated calibration listing: a. Verified calibration due dates. b. Deleted entries. c. Added entries.	____	____
9. Maintained a temporary storage area for calibrate before use (CBU) equipment:	____	____

Performance Measures **GO** **NO GO**

a. Identified CBU equipment as appropriate.
b. Identified a limited access storage area.
c. Prepared DA Label 80 for CBU.
d. Updated calibration listing for CBU items.
e. Stored equipment until required.
f. Had equipment calibration prior to use.

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	**Related**
DA FORM 3758-R	
DA LABEL 80	
TB 43-180	
TB 750-25	

Write a Standing Operating Procedure (SOP)

093-SSG-3011

Conditions: Given the unit's old standing operating procedure (SOP), AR 750-1, DA Pam 600-67, FM 4-30.3 (FM 9-43-1), FM 24-16, FM 101-5, and TC 43-4. This task can be performed in a field or garrison environment.

Standards: Wrote a standing operating procedure (SOP) that was reviewed by the supervisor/commander and approved by the commander/supervisor. Implemented all recommended changes.

Performance Measures	GO	NO GO
1. Developed a basic SOP format to ensure it met organization's/element's specific needs and/or requirements for the maintenance facility: a. Purpose statement. b. Scope statement. c. Organization statement. d. Conformity statement. e. References. f. Annex(es).	____	____
2. Included guidance in the SOP on the following as they pertained only to the maintenance facility: a. Personnel administration. b. Security. c. Security and intelligence. d. Area security. e. Physical security of weapons and property. f. Safety program. g. Maintenance operations. h. Management of Hand receipts. i. Standard warnings. j. Alert procedures. k. Nuclear, biological, and chemical (NBC) warfare. l. Defense against nuclear attack. m. Logistics. n. Motor pool operations. o. Motor movement and traffic control. p. Tactical operations.	____	____
3. Ensured that all references used were current.	____	____
4. Staffed the draft through the supervisor/commander.	____	____
5. Implemented any approved SOP changes.	____	____
6. Had the final version of the SOP signed by the supervisor/commander.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
AR 750-1	
DA PAM 600-67	

References

Required	Related
FM 101-5	
FM 24-16	
FM 4-30.3	
TC 43-4	

Maintain Property Accountability

093-SSG-3013

Conditions: Perform this task given a quarterly reviewed of all hand receipts with hand-receipt holders in the maintenance section/shop, issued new equipment, and tagged unserviceable equipment for turn-in; AR 25-400-2, AR 710-2, DA Form 2062, DA Pam 710-2-1, Hand receipts, applicable equipment, and applicable technical manuals. This task can be performed in a field or garrison environment.

Standards: Issued supplies and equipment to hand-receipt holders while maintaining property and supply accountability.

Performance Measures	GO	NO GO
1. Notified hand-receipt holders of quarterly inventory.	____	____
2. Reviewed file copies of all hand receipts and signature cards for each maintenance section/shop.	____	____
3. Assembled all new equipment to be issued into separate groups for issuing to hand-receipt holders during the quarterly inventory.	____	____
4. Issued new equipment to hand-receipt holders before inventorying.	____	____
5. Inventoried hand-receipts.	____	____
6. Updated each hand-receipt holder's equipment shortage list as needed.	____	____
7. Ensured that only authorized personnel on the hand-receipt holder signature card signed the hand receipt.	____	____
8. Ensured that all forms were filled out correctly.	____	____
9. Filed hand receipts in appropriate hand-receipt holder files.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
AR 25-400-2	
AR 710-2	
DA FORM 2062	
DA PAM 710-2-1	

Assess Battlefield Damage

093-SSG-3014

Conditions: Supervise the performance of an organizational maintenance team or a direct support maintenance support team (MST) performing Battlefield Assessment given a disabled vehicle or equipment, repairers to assess the equipment, applicable technical manuals -10, -20, -30, repair parts manuals, tool kits, DA Form 2404 or DA Form 5988-E, DA Form 2407 or DA Form 5990-E, DA Pam 738-750, DA Pam 738-751, DD Form 1577, DD Form 1577-1, DD Form 1577-2, DD Form 1577-3, FM 4-30.3 (FM 9-43-1), and FM 9-43-2. This task can be performed in a field or garrison environment.

Standards: Supervised the organizational maintenance team or direct support maintenance support team (MST) that identifies and performs repairs needed to restore a disable piece of equipment to the minimum essential combat capabilities necessary to support a specific combat mission or to enable the equipment to self-recover. Completed all required paper work according to DA Pam 738-750, DA Pam 738-751, FM 4-30.3 (FM 9-43-1), and FM 9-43-2.

Performance Measures	**GO**	**NO GO**
1. Briefed the organizational maintenance team or direct support maintenance support team (MST) on the upcoming mission to assess battlefield damage: a. Identified point of contact at unit/site. b. Identified the equipment was to be assessed for battlefield damage. c. Identified the equipment was needed for the upcoming mission. d. Explained Logistics support. e. Planned primary and secondary routes to unit. f. Ensured team received a copy of supported units' radio frequencies and call signs.	____	____
2. Monitored assigned personnel to the team according to their qualifications and availability to meet the mission needs.	____	____
3. Arranged for transportation to the site.	____	____
4. Ensured that the proper battlefield assessment procedures were followed: a. Reviewed the operator/crew assessment and the safety checks made. b. Interviewed the operator/crew if available. c. Conducted visual inspection. d. Performed self-test. e. Tested equipment with the organizational/direct support maintenance equipment.	____	____
5. Ensured that maintenance support team (MST) provided technical assistance to the organizational maintenance team as required.	____	____
6. Ensured that maintenance support team (MST) prioritized repairs according to battlefield damage time guidelines.	____	____
7. Ensured that all required maintenance forms were filled out correctly in accordance with DA Pam 738-750 and DA Pam 738-751: a. DA Form 2404 or DA Form 5988-E. b. DA Form 2407 or DA Form 5990-E. c. DD Form 1577. d. DD Form 1577-1 e. DD Form 1577-2 f. DD Form 1577-3	____	____
8. Ensured a system assessment summary was filled out correctly and turned in.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	**Related**
DA FORM 2404	FM 4-30.3
DA FORM 2407	TM 750-245-4
DA FORM 5988-E	
DA FORM 5990-E	
DA PAM 738-750	
DA PAM 738-751	
DD FORM 1577	
DD FORM 1577-1	
DD FORM 1577-2	
DD FORM 1577-3	
FM 4-30.3	

Manage Demand Supported Repair Parts Listed on the Prescribed Load List (PLL)
093-SSG-3015

Conditions: This task will be conducted during the normal performance of your daily duties within an electronic/avionics maintenance shop. You will manage demand-supported repair parts for an electronic/avionics maintenance shop given the following items: AR 710-2, DA Pam 710-2-1, DA Form 2063-R, DA Form 2064, DA Form 3318, copy of FEDLOG discs, unit's initial mandatory parts list (IMPL), unit's prescribed load list (PLL), and technical part manuals. This task can be performed in a field or garrison environment.

Standards: Completed review and corrected the PLL in accordance with the equipment technical parts manual, AR 710-2, and DA Pam 710-2-1 for the electronic/avionic repair parts listed on the PLL.

Performance Measures	**GO**	**NO GO**
1. Reviewed the units prescribed load list (PLL) for electronic/avionics maintenance shop's repair parts.	____	____
2. Verified that the electronic/avionics shop's repair parts qualify to be on the PLL list.	____	____
3. Reviewed demand-supported unit maintenance repair parts documents and ensured they met the following: a. Three demands were made within the control period of 180 days for active army. b. Parts are essential and have a maintenance use code of "O". (except for non tactical telecommunications systems, air traffic control, or lifesaving systems).	____	____
4. Reviewed non-demand-supported unit maintenance repair parts documents and ensured they met the following: a. Approved by the first general officer staff level in the chain of command is required in order to stock? b. Parts essential and have a maintenance use code of "O". (except for non tactical telecommunications systems, air traffic control, or lifesaving systems).	____	____
5. Reviewed the initial stockage of repair parts for newly introduced end items as identified by support list allowance card (SLAC) deck: a. The stockage level will not be reduced the first year. b. If the end item is under warranty, the one-year will begin on expiration of warranty.	____	____
6. Reviewed the mandatory stockage of repair parts as identified in the initial mandatory parts list (IMPL).	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	**Related**
AR 710-2	FM 4-30.3
DA FORM 2063-R	
DA FORM 2064	
DA FORM 3318	
DA PAM 710-2-1	

References

Required

FEDLOG

Related

Monitor Bench Stock Operations

093-SSG-3016

Conditions: Perform this task given AR 710-2, DA Pam 710-2-2, and a copy of FEDLOG discs. This task can be performed in a field or garrison environment.

Standards: Maintained bench stock in according with AR 710-2 and DA Pam 710-2-2.

Performance Measures	GO	NO GO
1. Ensured that the bench stock was made up of low-cost expendable items.	____	____
2. Ensured that the bench stock was stored near the work area.	____	____
3. Ensured that bench stock replenishment tags and lists were maintained with the bench stock.	____	____
4. Ensured that bench stock was ordered on a prescribed schedule or as needed.	____	____
5. Ensured that the bench stock was ordered under the correct Urgency of Need Designator (UND).	____	____
6. Ensured that the bench stock was reviewed semiannually.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
AR 710-2	
DA PAM 710-2-2	
FEDLOG	

Monitor Shop Stock Operations

093-SSG-3017

Conditions: Perform this task given a current copy of the shop stock list, AR 710-2, DA Pam 710-2-2, and a copy of FEDLOG discs. This task can be performed in a field or garrison environment.

Standards: Maintained the shop stock according to AR 710-2 and DA Pam 710-2-2.

Performance Measures	GO	NO GO
1. Ensured repair parts and consumables listed on the shop stock met the criteria listed in AR 710-2 and DA Pam 710-2-2.	____	____
2. Ensured each item was demand-supported.	____	____
3. Ensured stockage levels were developed in accordance with DA Pam 710-2-2.	____	____
4. Ensured excess stocks were turned in within 10 days of review.	____	____
5. Ensured replenishment of stock was based on the reorder point (ROP).	____	____
6. Ensured controlled cryptographic item (CCI) repair parts required by Communications Security (COMSEC) maintenance activities for diagnostic purpose were hand receipted on temporary loan.	____	____
7. Ensured the shop stock was inventoried during the scheduled review period.	____	____
8. Ensured the shop stock list was signed by the unit commander and submitted to the supply support activity (SSA).	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
AR 710-2	
DA PAM 710-2-2	
FEDLOG	

Inspect Maintenance Support Team Operations

093-SSG-3019

Conditions: Perform this task given the necessary personnel to perform an electronic/avionics maintenance support team operation, DA Pam 611-21, DA Pam 738-750, DA Pam 738-751, and FM 4-30.3 (FM 9-43-1). This task can be performed in a field or garrison environment.

Standards: Ensured the correct military occupational specialty holders are assigned to a support team, briefed, and provided with transportation.

Performance Measures	GO	NO GO
1. Monitored assigned personnel according to their qualifications and availability.	____	____
2. Arranged for transportation to the site.	____	____
3. Briefed the support team on mission requirements. a. Identified point of contact at unit. b. Identified equipment needed for the support mission. c. Explained logistics support. d. Planned primary and secondary routes to unit. e. Ensured team received a copy of supported units' radio frequencies and call signs.	____	____
4. Provided technical assistance to the support team as required.	____	____
5. Ensured that all maintenance forms were filled out correctly.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
DA PAM 611-21	FM 3-25.26
DA PAM 738-750	STP 21-1-SMCT
DA PAM 738-751	STP 21-24-SMCT
FM 4-30.3	

Inspect Maintenance Reporting and Management Data

093-SSG-3020

Conditions: As a senior repairer, one of your responsibilities is to inspect the paperwork used in an electronic/avionics maintenance facility. You must inspect and manage all of the maintenance forms and records used in reporting the maintenance status for equipment repaired in the maintenance facility. The following forms, records and publications will be available if needed for each piece of equipment job-ordered: DA Form 2402, DA Form 2404, DA Form 2405, DA Form 2407, DA Form 2407-1, DA Form 2408-12, DA Form 2408-13, DA Form 2408-13-1, DA Form 2410, DD Form 1574, DD Form 1574-1, DD Form 1575, DD Form 1575-1, DD Form 1576, DD Form 1576-1, DD Form 1577, DD Form 1577-1, DD Form 1577-2, DD Form 1577-3, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Inspected the electronic/avionics maintenance forms and records for errors and forms missing from the job packets.

Performance Measures	**GO**	**NO GO**
1. Located closed-out and active job order packets within the electronic/avionics maintenance facility.	____	____
2. Matched all job-ordered equipment serial numbers with closed-out and active job packets within the electronic/avionics maintenance facility.	____	____
3. Ensured that all required forms and records were in the job order packets.	____	____
4. Verified all forms and records within the job packets were properly completed.	____	____
5. Ensured that all discrepancies had been corrected.	____	____
6. Ensured that all forms and reports were distributed or filed in accordance with Department of Army Pamphlets and Army Regulations.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	**Related**
DA FORM 2402	FM 4-30.3
DA FORM 2404	TM 38-L09-11
DA FORM 2405	
DA FORM 2407	
DA FORM 2407-1	
DA FORM 2408-12	
DA FORM 2408-13	
DA FORM 2408-13-1	
DA FORM 2410	
DA PAM 738-750	
DA PAM 738-751	
DD FORM 1574	
DD FORM 1574-1	
DD FORM 1575	
DD FORM 1575-1	
DD FORM 1576	
DD FORM 1576-1	
DD FORM 1577	

References

Required

DD FORM 1577-1
DD FORM 1577-2
DD FORM 1577-3

Related

Review SAMS-1 Reports

093-SSG-3021

Conditions: Perform this task given SAMS-1 system installed, completed set of required SAMS-1 reports and forms, AISM 25-L21-AHN-ZZZ-EM, DA Pam 738-750, DA Pam 738-751, and FM 4-30.3 (FM 9-43-1). This task can be performed in a field or garrison environment.

NOTE: This task may be performed in an NBC environment.

Standards: Reviewed all required SAMS-1 reports and forms and corrected discrepancies according to AISM 25-L21-AHN-ZZZ-EM and DA Pam 738-750 or DA Pam 738-751. Filed all reports properly and forwarded copies as required.

Performance Measures	GO	NO GO
1. Ensured that all required SAMS-1 reports and forms required for electronic/avionics maintenance operations were being used.	____	____
2. Reviewed new copies of all SAMS-1 reports and forms needed to run the electronic/avionics maintenance operations.	____	____
3. Compared the previous SAMS-1 reports and forms with the newly printed reports and forms for discrepancies.	____	____
4. Reviewed the new SAMS-1 reports and forms for discrepancies.	____	____
5. Ensured that all discrepancies were corrected.	____	____
6. Ensured that all SAMS-1 reports and forms were distributed or filed in accordance with Army regulations.	____	____

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
AISM 25-L21-AHN-ZZZ-EM	
DA PAM 738-750	
DA PAM 738-751	
FM 4-30.3	

Skill Level 4

Subject Area 11: Senior Maintenance Operations

Manage a Shop Security Program

093-SFC-4101

Conditions: Given local standing operating procedures (SOP), pencil or pen, AR 190-13, AR 190-51, AR 380-19, AR 530-1, and FM 3-19.30. This task can be performed in a field or garrison environment.

Standards: Review shop security program and make any required corrective action in accordance with required references.

Performance Measures	**GO**	**NO GO**
1. Enforced Physical Security a. Determined shop's mission essential or vulnerable areas (MEVA). (AR 190-13, SOP) b. Determined minimum security standard. (AR 190-51) c. Identified physical and procedural measures in shop security program. (FM 3-19.30) d. Evaluated physical and procedural measures needed to maintain minimum security standard. (FM 3-19.30) e. Implemented needed changes to shop security program. (AR 190-51)	____	____
2. Enforced Information System Security (INFOSEC). (AR 380-19, SOP) a. Identified need for INFOSEC. b. Identified threat to information systems. c. Identified malicious logic and how it enters into systems. d. Identified differences in handling classified and unclassified information. e. Identified roles and responsibilities.	____	____
3. Implemented Operations Security (OPSEC) measures (AR 530-1, SOP) a. Ensured compliance with regulatory guidance. b. Demonstrated knowledge of OPSEC principles.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
AR 190-13	AR 380-15
AR 190-51	AR 380-40
AR 380-19	DA PAM 190-51
AR 530-1	FM 4-30.3
FM 3-19.30	SF 700
SOP	SF 702
	TB 380-41

Prepare input to Materiel Condition Status Report

093-SFC-4103

Conditions: Given AR 220-1, AR 700-138, DA Form 2406, DA Form 3266-1, DA Form 3266-2-R, DA Pam 738-750, paper, and pencil or pen. You also have access to data from DA Form 5986-E and DA Form 5990-E or equivalent (DD Form 314, DA Form 2407). This task can be performed in a field or garrison environment.

Standards: Prepare the Materiel Status Report correctly using 700-138.

Performance Measures	**GO**	**NO GO**
1. Prepared input to DA Form 2406 (Materiel Condition Status Reports) a. Completed blocks 1 through 8. (Refer to AR 700-138) b. Completed columns 9a through 9e(3)(b). (Refer to AR 700-138 and maintenance forms) c. Completed columns 9f(l) through 9f(5) as locally prescribed. d. Completed block 10 as locally required. e. Completed block 11 (REMARKS) as required. f. Submitted for commander's signature. g. Completed block 12(b). NOTE: Ensure the date the report is signed is entered.	____	____
2. Prepared input to DA Form 3266-1 (Army Missile Materiel Readiness Report) a. Entered applicable system operational data in Part 1. (Refer to AR 700-138) b. Entered data on missile equipment that was NMC during the reporting period in Part 2. c. Entered data on missile equipment that was NMC at the close of the reporting period in Part 3. d. Reviewed the form and corrected any errors. e. Submitted the completed DA Form 3266-1 to the correct agency. NOTE: This step is only performed in units performing missile maintenance.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
AR 220-1	DA FORM 2407
AR 700-138	DD FORM 314
DA FORM 2406	
DA FORM 3266-1	
DA FORM 3266-2-R	
DA PAM 738-750	

Manage SAMS-1 System Administration

093-SFC-4104

Conditions: Given SAMS-1 end user manual, local SOP, and TC 43-4. This task can be performed in a field or garrison environment.

Standards: Review SAMS-1 administrative procedures for compliance with SAMS-1 end user manual and take required corrective action.

Performance Measures	GO	NO GO
1. Ensured the system access roster is current. (AISM 25-L21-AHN-ZZZ-EM, TC 43-4)	____	____
2. Identified the SAMS-1 system senior operator.	____	____
3. Identified the SAMS-1 problem reporting procedures.	____	____
4. Identified SAMS-1 data backup procedures.	____	____
5. Ensured the shop/personnel database is current.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance, show what was done wrong and how to do it correctly.

References

Required	Related
AISM 25-L21-AHN-ZZZ-EM	AR 380-19
SOP	DA PAM 25-1-1
TC 43-4	DA PAM 738-750

Review SAMS-2 Reports

093-SFC-4109

Conditions: Given commander's intent, local SOP, SAMS-2 end user manual, SAMS-2 reports, and TC 43-4. This task can be performed in a field or garrison environment.

Standards: Determine if maintenance performance is within unit's acceptable range of performance. NOTE: Unit's acceptable range of performance can be found in the unit SOP and/or commander's intent.

Performance Measures	GO	NO GO
1. Identified reportable and maintenance significant items. (AISM 25-L26-AHO-ZZZ-EM, TC 43-4, SOP)	____	____
2. Identified work orders that are more than thirty days old.	____	____
3. Identified maintenance turnaround time in days by unit/activity.	____	____
4. Identified Operational Readiness Float (ORF) monthly usage and accumulation.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AISM 25-L26-AHO-ZZZ-EM	AISM 25-L21-AHN-ZZZ-EM
SOP	
TC 43-4	

Conduct Site Reconnaissance

093-SFC-4110

Conditions: Given pencil or pen, paper, lensatic compass, protractor, local SOP, FM 4-30.3, OPORD/OPLAN, map(s) of the surrounding area, stakes or other marking material, and vehicle. This task can be performed in a field environment.

Standards: Select a satisfactory site and mark it IAW FM 4-3-.3, local SOP, and applicable references.

Performance Measures	**GO**	**NO GO**
1. Determined specific site requirements. (FM 4-30.3, SOP, OPORD/OPLAN) a. Personnel. b. Equipment. c. Logistics.	____	____
2. Selected potential site(s) by using map reconnaissance. a. Identified potential sites. b. Identified routes to potential sites. c. Listed best possible candidate sites/routes.	____	____
3. Evaluated site and route suitability by using physical reconnaissance. a. Accessibility. b. Terrain. c. Camouflage/concealment. d. Technical suitability.	____	____
NOTE: Drive or ride to selected site.		
4. Staked or marked locations for the equipment that pertains to your unit. a. Tents. b. Vehicles. c. Generators. d. Fuel point. e. Fire points. f. Other points.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
FM 4-30.3	STP 21-1-SMCT
SOP	STP 21-24-SMCT

Coordinate Activities between Production Control and Supply Support Activity

093-SFC-4111

Conditions: Given AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3. This task can be performed in a field or garrison environment.

Standards: Account for repair parts IAW AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3.

Performance Measures	GO	NO GO
1. Reconciled the movement of parts between production control and supply support activity. (AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3)	____	____
2. Reconciled the movement of repairable exchange (RX) items between production control and RX.	____	____
3. Reconciled reports from production control and shop supply.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 710-2	
DA PAM 710-2-1	
DA PAM 710-2-2	
FM 4-30.3	

Provide Liaison to Supported Units

093-SFC-4113

Conditions: Given AR 750-1, DA Pam 738-750, FM 4-30.3, and direct support (DS) maintenance standard operating procedures (SOP). This task can be performed in a field or garrison environment.

Standards: Provide liaison support IAW FM 4-30.3 and SOP.

Performance Measures	GO	NO GO
1. Issued external SOP to supported unit. (FM 4-30.3, SOP, AR 750-1, DA Pam 738-750, SOP)	____	____
2. Coordinated on-site maintenance training.	____	____
3. Identified and coordinated required support maintenance. a. Scheduled b. Unscheduled c. Special (CIP, Gunnery, Training Centers, etc..)	____	____
4. Provided supported unit updated status of open work requests.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 750-1	
DA PAM 738-750	
FM 4-30.3	
SOP	

Subject Area 12: Senior Maintenance Management

Manage Hand Receipt Functions

093-SFC-4105

Conditions: Given local SOP, pencil and paper, AR 25-400-2, AR 735-5, DA Form 2062, DA Form 25-30, DA Pam 25-380-2, DA Pam 710-2-1, TB 380-41, and commander's guidance. This task can be performed in a field or garrison environment.

Standards: Attain 100% accountability IAW DA Pam 710-2-1.

Performance Measures	GO	NO GO
1. Prepared for inventory. (DA Pam 710-2-1)	____	____
2. Conducted inventory.	____	____
3. Performed post-inventory procedures.	____	____
4. Subhand-receipted property to user.	____	____
5. Filed HR IAW AR 25-400-2.	____	____
6. Maintained HR and files.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
AR 25-400-2
AR 735-5
DA FORM 2062
DA PAM 25-30
DA PAM 25-380-2
DA PAM 710-2-1
SOP
TB 380-41

Related
AR 710-2
DA FORM 2765-1
DA FORM 3161

Manage Maintenance Shop Operations

093-SFC-4106

Conditions: Given local SOP, AR 710-2, DA Pam 710-2-2, DA Pam 738-750, FM 4-30.3, commander's guidance, and unit mission. This task can be performed in a field or garrison environment.

Standards: Accomplish all required maintenance tasks IAW procedures in required references.

Performance Measures	GO	NO GO
1. Enforced maintenance control procedures. (FM 4-30.3, DA Pam 738-750, SOP)	____	____
2. Enforced production control procedures.	____	____
3. Enforced quality control procedures.	____	____
4. Controlled work flow process.	____	____
5. Enforced job evacuation procedures.	____	____
6. Reviewed maintenance management tools and techniques for trends/situations which require action.	____	____
7. Enforced ORF procedures. (AR 710-2, DA Pam 710-2-2, FM 4-30.3, SOP)	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 710-2	AISM 25-L21-AHN-ZZZ-EM
DA PAM 710-2-2	AR 750-1
DA PAM 738-750	DA PAM 710-2-1
FM 4-30.3	DA PAM 750-1
SOP	TC 43-4

Manage Logistics Support

093-SFC-4107

Conditions: Given local SOP, AR 750-1, DA Pam 738-750, and FM 4-30.3. You also have access to the OPORD, Material Condition Status Report (MCSR), shop stock, bench stock, and SAMS reports. This task can be performed in a field or garrison environment.

Standards: Plan logistics support for maintenance operations that anticipate requirements for personnel, equipment, repair parts and the effective use of these resources.

Performance Measures	GO	NO GO
1. Identified support requirements. (AR 750-1, DA Pam 738-750, FM 4-30.3, SOP)	____	____
2. Identified available resources. (FM 4-30.3, SOP)	____	____
3. Identified other considerations.	____	____
4. Allocated resources.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 750-1	FM 100-10
DA PAM 738-750	TB 385-4
FM 4-30.3	TC 43-4
SOP	

Manage Shop Personnel Actions

093-SFC-4108

Conditions: Given pencil or pen, paper, local SOP, AR 600-8-10, AR 600-8-19, AR 600-8-22, AR 623-205, AR 635-200, and FM 22-100. This task can be performed in a field or garrison environment.

Standards: Manage administrative and personnel actions that impact on shop personnel IAW applicable references.

Performance Measures	GO	NO GO
1. Reviewed recommendation for advancement/promotion to determine eligibility. (AR 600-8-19)	____	____
2. Reviewed request for leave/pass to maintain proper manning level. (AR 600-8-10)	____	____
3. Reviewed an award recommendation for errors. (AR 600-8-22)	____	____
4. Reviewed entries on personnel evaluations for errors. (AR 623-205)	____	____
5. Reviewed entries on counseling forms for errors. (FM 22-100)	____	____
6. Identified requirements for administrative separations. (AR 635-200)	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 600-8-10	AR 220-45
AR 600-8-19	AR 25-50
AR 600-8-22	DA FORM 638
AR 623-205	
AR 635-200	
FM 22-100	
SOP	

Manage Shop Supply Operations

093-SFC-4112

Conditions: Given AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, FM 4-30.3. and DA Form 4569 or equivalent (DA Form 2064, DA Form 3318). This task can be performed in a field or garrison environment.

Standards: Maintain shop supply IAW AR 710-2 and DA Pam 710-2-2.

Performance Measures	GO	NO GO
1. Monitored shop stock operations. (AR 710-2, DA Pam 710-2-1, FM 4-30.3)	____	____
2. Checked the shop stock for the following: a. List of items stocked b. Reorder point (ROP) c. Location	____	____
3. Checked the demand supported shop stock records for the number of records within the control period and other considerations.	____	____
4. Ensured that the demands on the DA Form 3318 and those listed on the DA Form 2064 match.	____	____
5. Compared the physical location with the location listed on the DA Form 3318.	____	____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 710-2	DA FORM 2064
DA FORM 4569	DA FORM 3318
DA PAM 710-2-1	DA PAM 738-750
DA PAM 710-2-2	
FM 4-30.3	

Manage Operational Readiness Float (ORF) Transactions

093-SFC-4114

Conditions: Given AR 710-2, AR 750-1, DA Pam 710-2-2, local SOP, maintenance records, ORF equipment, and applicable technical manuals. This task can be performed in a field or garrison environment.

Standards: Maintain and issue ORF equipment in accordance with required references.

Performance Measures	**GO**	**NO GO**
1. Maintained ORF equipment. (AR 750-1, AR 710-2)	____	____
a. Ensured that ORF assets are maintained at 10/20 maintenance standard.		
b. Directed the repair of unserviceable ORF assets.		
c. Used highest appropriate priority designator for items being repaired for return to ORF stock.		
d. Ensured that appropriate service and maintenance forms are completed.		
2. Coordinated transactions of ORF equipment. (AR 710-2, DA Pam 710-2-2, SOP)	____	____
a. Accounted for ORF assets per AR 710-2 & DA Pam 710-2-2.		
b. Issued assets when priority designator and estimated repair time met established criteria.		
c. Ensured ORF items are exchanged on a one-for-one basis.		
d. Coordinated with supported unit as required.		
e. Ensured that all supply and maintenance forms are completed.		

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
AR 710-2	AR 710-1
AR 750-1	DA FORM 2404
DA PAM 710-2-2	DA FORM 2407
SOP	DA PAM 710-2-1
	DA PAM 738-750
	DA PAM 750-1
	FM 4-30.3

APPENDIX A - HANDS-ON EVALUATION (DA FORM 5164-R) INSTRUCTIONS

HANDS-ON EVALUATION (DA FORM 5164-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)

DA Form 5164-R (Hands-On Evaluation) allows the trainer to keep a record of the performance measures a soldier passes or fails on each task.

Before evaluation:

1. Obtain a blank copy of DA Form 5164-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Enter the task title and 10-digit number from the STP task summary.
3. In Column a, enter the performance measure numbers from the task summary.
4. In Column b, enter the performance measure corresponding to the number in Column a (you may abbreviate this information if necessary).
5. Locally reproduce the partially completed form when evaluating more than one soldier on the task or when evaluating the same soldier more than once.

During evaluation:

1. Enter the date just before evaluating the soldier's task performance.
2. Enter the evaluator's name, the soldier's name, and the unit.
3. For each performance measure in Column b, enter a check in Column c (PASS) or Column d (FAIL), as appropriate.
4. Compare the number of performance measures the soldier passes (and, if applicable, which ones) against the task standards specified in the task summary. If the standards are met or exceeded, check the GO block under STATUS; otherwise, check the NO-GO block.

APPENDIX A

Sample DA Form 5164-R (Hands-On Evaluation)

HANDS-ON EVALUATION For use of this form, see AR 350-57; the proponent agency is ODCSOPS		DATE	
TASK TITLE		TASK NUMBER	
ITEM a	PERFORMANCE STEP TITLE b	SCORE (Check One)	
		PASS c	FAIL d
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
		☐ P	☐ F
EVALUATOR'S NAME		UNIT	
SOLDIER'S NAME		STATUS ☐ GO ☐ NO GO	

DA FORM 5164-R, SEP 85 EDITION OF DEC 82 IS OBSOLETE **USAPPC V2.00**

Sample DA Form 5164-R (Hands-On Evaluation)

APPENDIX B - FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R) INSTRUCTION

FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)

DA Form 5165-R (Field Expedient Squad Book) allows the trainer to keep a record of task proficiency for a group of soldiers.

Before evaluation:

1. Obtain a blank copy of DA Form 5165-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Locally reproduce the partially completed form if you are evaluating more than nine soldiers.

During evaluation:

1. Enter the names of the soldiers you are evaluating, one name per column, at the top of the form.
2. Under STATUS, record (in pencil) the date in the GO block if the soldier demonstrated task proficiency to soldier's manual standards. Keep this information current by always recording the most recent date on which the soldier demonstrated task proficiency. Record the date in the NO-GO block if the soldier failed to demonstrate task proficiency to soldier's manual standards. Soldiers who failed to perform the task should be retrained and reevaluated until they can meet the standards. When the standards are met, enter the date in the appropriate GO block and erase the previous entry from the NO-GO block.

After evaluation:

1. Read down each column (GO/NO-GO) to determine the training status of an individual. This will give you a quick indication of which tasks a soldier needs training on.
2. Read across the rows for each task to determine the training status of all soldiers. You can readily see which tasks to focus training on.
3. Line through the STATUS column of any soldier who leaves the unit.

APPENDIX B

SAMPLE DA FORM 5165-R (FIELD EXPEDIENT SQUAD BOOK)

FIELD EXPEDIENT SQUAD BOOK For use of this form, see AR 350-57, the proponent agency is ODCSOPS	SHEET OF
USER APPLICATION	SOLDIER'S NAME

TASK NUMBER AND SHORT TITLE	STATUS															
	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO

DA FORM 5165-R, SEP 85 EDITION OF DEC 82 IS OBSOLETE USAPPC V1.00

Sample DA Form 5165-R (Field Expedient Squad Book)

GLOSSARY

Section I
Abbreviations

AC
Active Component

ac/AC
alternating current

ACCP
Army Correspondence Course Program

ACL
Army Calibration Laboratory

ACP
azimuth change pulse

AF
audio frequency

AIPD
Army Institute for Professional Development

AIT
advanced individual training

AMDF
Army Master Data File

ANC
Army Nurse Corps

AR
Army regulation

ARTEPP
Army Training and Evaluation Program Publication

ASI
additional skill identifier

ASL
authorized stockage list

ATST
area TMDE support team

BCT
basic combat training

BDAR
battle damage assessment and repair

BNC
Basic NCO Course (BNCOC)

CADU
control and display unit

CALMIS
Calibration Management Information System

CALSET
Calibration Set

CBU
calibrate before use

CCI
controlled cryptographic item

ccw
counterclockwise

CD
compact disk

CHAL
challenge

CHAL/TAG
challenge/tag

CMF
career management field

CNR
calibration is not required

COMSEC
communications security

CP
command post

CPR
cardiopulmonary resuscitation

CTT
common task test

CW
continuous wave

DA
Department of the Army

DA Pam
Department of the Army pamphlet

DAC
digital to analog converter

DAU
data acquisition unit

DC
Dental Corps

DD
Defense Department/Department of Defense

DD Form
Department of Defense form

DOD
Department of Defense

DODAAC
Department of Defense activity address code

DOT
Directorate of Training

DOT (1)
Department of Transportation

DS
direct support

EEPROM
electrically erasable programmable read-only memory

EIR
equipment improvement recommendation

ELSEC
electronic security

F
Fahrenheit

FM
frequency modulation

FM (1)
field manual

FSN
Federal stock number

GHz
gigahertz

GPIB
General Purpose Instruments Bus (HP-IB, IEEE-488)

HF
high frequency

HQ
headquarters

HR
hand receipt

IAW
in accordance with

IF
intermediate frequency

IMPL
initial mandatory parts list

IMRF
instrument master record file

INFOSEC
Information System Security

ITEP
Individual Training Evaluation Program

KIR
cryptographic computer encoder

KIT
cryptographic computer decoder

kw
Kilowatt

LED
light emitting diode

LTSC
laser test set calibrator

MAC
maintenance allocation chart

MCP
maintenance collection point

MCSR
materiel condition status report

METL
mission essential task list

MEVA
mission essential or vulnerable area

MHz
megahertz

MO
monthly

MOS
military occupational specialty

MOSC
military occupational specialty code

MST
maintenance support team

MTP
mission training plan

MWO
modification work order

NA
not applicable

NBC
nuclear, biological, and chemical

NCO
noncommissioned officer

NIIN
national item identification number

NMC
Non-mission Capable

NMP
national maintenance point

NSN
national stock number

OJT
on-the-job training

OPSEC
operations security

ORF
operation readiness float

P
pass

PLL
prescribed load list

PMCS
preventive maintenance checks and services

PMEL
precision maintenance electronic laboratory

PN
part number

PRF/PRI
pulse repetition frequency / pulse repetition interval

psi
pounds per square inch

QA/QC
quality assurance/quality control

QDR
Quality Deficiency Report

QT
quarterly

RADIAC
radiation detection, indication, and computation

RC
Reserve Component

RDL
Reimer Digital Library

RF
radio frequency

RMS
root mean square

RO/ROP
reorder/reorder point

RPM
revolutions per minute

RX
reparable exchange

SA
staging area

SAMS
Standard Army Maintenance System

SC
supply catalog

SF
standard form

SIF
selective identification feature

SIGSEC
signal security

SL
skill level

SLAC
Support List Allowance Card

SLC
stockage list code

SM
soldier's manual

SMCT
soldier's manual of common tasks

SOJT
supervised on-the-job training

SOP
standing operating procedure

SQT
skill qualification test

SSA
supply support activity

SSI
special skill identifier

STE/ICE-R
simplified test equipment for internal combustion engine, reprogrammable

STP
soldier training publication

SUPPR
suppression

TACCS
Tactical Army Combat Service Support (CSS) Computer System

TAMMS
The Army Maintenance Management System

TB
technical bulletin

TB MED
technical bulletin (medical)

TBD
to be developed

TEC
training extension course

TG
trainer's guide

TI
technical inspection

TI (1)
test instrument

TIMMS
TMDE Integrated Material Management System

TM
technical manual

TMDE
test measurement and diagnostic equipment

TRADOC
United States Army Training and Doctrine Command

UMCP
unit maintenance collection point

UND
urgency of need designator

USAOMEMS
US Army Ordnance Munitions and Electronics Maintenance School

USATA
United States Army Test, Measurement, and Diagnostic Equipment Activity

UTD
universal tracking device

UUT
unit under test

VAR
variable

VLF
very low frequency

VSWR
voltage standing wave ratio

Section II
Terms

additional skill identifier
Identifies specialized skills that are closely related to, but are in addition to, those required by MOS or SSI. Specialized skills identified by the ASI include operation and maintenance of specific weapons systems and equipment, administrative type systems and subsystems, computer programming, languages, procedures, installation management, analytic methods, animal handling techniques, and similar required skills that are too restricted in scope to comprise an MOS or SSI.

Army Training and Evaluation Program (ARTEP)
The cornerstone of unit training. It is the umbrella program to be used by the trainer and training manager in the training evaluation of units. The ARTEP is a complete program enabling commanders to evaluate and develop collective training based on unit weaknesses, ten train the unit to overcome those weaknesses and reevaluate. Success on the battlefield depends on the coordinated performance of collective and individual skills that are taught through the ARTEP MTP.

basic NCO course
Training for soldiers in grade E5 designed to teach the technical and supervisory duties of grade E6.

career management field
a group of similar MOSs

common task
A task every soldier in the Army must learn and perform at some skill level.

common task test
a hands-on test used to evaluate the soldier's proficiency on common tasks

Critical task
See "task," critical collective task," and "critical individual task."

cross training
The systematic training of soldiers on tasks related to another duty position.

Duty Position
Duty positions are determined by military occupational specialties (MOSs), which are subdivided into five major skill levels (SLs). These SLs are further subdivided into related individual tasks which identify a soldier's SL or job.

Evaluation guide
The section of the task summary in a soldier's manual which lists the pass/fail performance measures for evaluating the soldier's performance on the task.

GO/NO-GO
This is a pass/fail evaluation whereby the soldier (student) cannot be partially correct. Either he meets the standard or he does not meet the standard.

Individual training
Training that prepares the soldier to perform specified duties or tasks related to assigned duty position or subsequent duty positions and skill level.

Individual Training Evaluation Program
The Army's formal system of individual training evaluation, consisting of commander's evaluations, the self-development test, and the common task test

integration training
Initial entry training in Skill Level 1 tasks for an individual newly arrived in a unit. In all cases this training is supported by the TRADOC school proponent.

job
The tasks you are required to perform in your duty position at your skill level.

merger training
Training that prepares an NCO to supervise one or more different MOSs at lower skill levels when the soldier advances in skill level in his career management field.

military occupational specialty
a group of similar duty positions

MOS technical task
A task related to your duty position and skill level.

performance measure
Action or resulting product that determines if the soldier has performed a task correctly.

Shared task
See "task."

Skill level
Identifies task proficiency, or ability typically required for successful performance at the grade with which the skill level is associated. The skill levels by grade are shown below: Skill levels => 1 2 3 4 5; Enlisted E 1/2, 3/4, 5, 6, 7, 8/9; Warrant W, 1/2, 3, 4, 5; Officers O 1/2, 3, 4, 5, 6

skill qualification test
A test of the soldier's ability to perform the tasks in a soldier's manual. This test has been replaced by the self-development test.

soldier's manual
an STP listing of critical tasks for each SL in a particular MOS.

sustainment training
See "refresher training."

Task
A clearly defined and measurable activity accomplished by individuals and organizations. It is the lowest behavioral level in a job or unit that is performed for its own sake. It must be specific; usually has a definite beginning and ending; may support or be supported by other tasks; has only one action and, therefore, is described using only one verb; generally is performed in a relatively short time (however, there may be no time limit or there may be a specific time limit); and it must be observable and measurable. The task title must contain an action verb and object and may contain a qualifier. Types: (subsequent entries)

Task condition
See "Condition."

Task standard
See "standard."

Task summary
A listing in the soldiers' training publications of the conditions, standards, and performance measures, references, and proponent for each individual critical task. Information is extracted from the individual critical task analysis. See "Task performance specifications." Reference-dependent task summary--A summary written for those tasks which require the trained soldier to refer to one or more publications while performing all or part of a task in wartime conditions. Reference-independent task summary--A summary written for those tasks which require the trained soldier to perform the task in wartime conditions from memory, without reference to any publications.

Trainer's guide
A publication that covers the information needed by your commander, training manager, and trainer to plan, conduct, and evaluate training in your MOS. There is a trainer's guide for each MOS.

train-up
The opportunity for an individual to train to a higher skill level in his or her MOS or CMF; certification may be involved.

unit training
Training that is conducted in a unit.

REFERENCES

Required Publications

Required publications are sources that users must read in order to understand or to comply with this publication.

Army Regulations

AR 11-9	The Army Radiation Safety Program 28 May 1999
AR 190-13	The Army Physical Security Program 30 September 1993
AR 190-51	Security of Unclassified Army Property (Sensitive and Nonsensitive) 30 September 1993
AR 220-1	Unit Status Reporting 1 September 1997
AR 25-400-2	The Modern Army Record Keeping System (MARKS) 1 October 2000
AR 380-19	Information Systems Security 27 February 1998
AR 380-40	(O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U) 30 June 2000
AR 380-5	Department of the Army Information Security Program 29 September 2000
AR 385-10	The Army Safety Program 23 May 1988
AR 40-5	Preventive Medicine 15 October 1990
AR 530-1	Operations Security (OPSEC) 3 March 1995
AR 600-8-10	Leaves and Passes 1 July 1994
AR 600-8-19	Enlisted Promotions and Reductions 2 October 2000
AR 600-8-22	Military Awards 25 February 1995
AR 623-205	Enlisted Evaluation Reporting System 31 March 1992
AR 635-200	Enlisted Personnel 1 November 2000
AR 672-20	Incentive Awards 1 June 1993
AR 700-138	Army Logistics Readiness and Sustainability (This Item is Included on EM 0001) 16 September 1997
AR 700-68	Storage and Handling of Compressed Gases and Gas Liquids in Cylinders, and of Cylinders DLAR 4145.25; NAVSUPINST 4440.128C; MCO 10330.2C; AFR 67-12 16 January 1990
AR 710-2	Inventory Management Supply Policy Below the Wholesale Level 31 October 1997
AR 725-50	Requisition, Receipt, and Issue System 15 November 1995
AR 735-5	Policies and Procedures for Property Accountability 31 January 1998
AR 750-1	Army Materiel Maintenance Policy and Retail Maintenance Operations 1 August 1994
AR 750-43	Army Test, Measurement and Diagnostic Equipment Program (This Item Is Included on EM 0001) 28 November 1997

Department of Army Forms

DA FORM 2062	Hand Receipt/Annex Number 1 January 1982
DA FORM 2063-R	Prescribed Load List 1 January 1982
DA FORM 2064	Document Register for Supply Actions 1 January 1982
DA FORM 2402	Exchange Tag 1 December 1985
DA FORM 2404	Equipment Inspection and Maintenance Worksheet 1 April 1979
DA FORM 2405	Maintenance Request Register 1 April 1962

DA FORM 2406	Material Condition Status Report 1 April 1993
DA FORM 2407	Maintenance Request 1 July 1994
DA FORM 2407-1	Maintenance Request - Continuation Sheet 1 July 1994
DA FORM 2408-12	Army Aviator's Flight Record 1 January 1992
DA FORM 2408-13	Aircraft Status Information Record 1 October 1991
DA FORM 2408-13-1	Aircraft Maintenance and Inspection Record 1 October 1997
DA FORM 2408-14	Uncorrected Fault Record 1 June 1994
DA FORM 2410	Component Removal and Repair/Overhaul Record 1 October 1997
DA FORM 3266-1	Army Missile Materiel Readiness Report (This Item is Included on EM 0001) 1 April 1993
DA FORM 3266-2-R	Army Missile Materiel Readiness Report (This Item is Included on EM 0001) 1 April 1993
DA FORM 3318	Records of Demands-Title Insert 1 January 1982
DA FORM 3758-R	Calibration and Repair Requirements Worksheet (LRA) 1 December 1996
DA FORM 4569	Requisition Code Sheet 1 July 1996
DA FORM 5164-R	Hands-On Evaluation (LRA) 1 September 1985
DA FORM 5165-R	Field Expedient Squad Book (LRA) 1 September 1985
DA FORM 5988-E	Equipment Inspection Maintenance Worksheet (EGA) 1 March 1991
DA FORM 5990-E	Maintenance Request 1 March 1991

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DA PAM 190-51	Risk Analysis for Army Property 30 September 1993
DA PAM 25-30	Consolidated Index of Army Publications and Blank Forms (ISSUED QUARTERLY)(No Printed Copies Exist)(Formerly DA Pam 310-1) 1 April 2001
DA PAM 25-380-2	(O) Security Procedures for Controlled Cryptographic Items 10 January 1991
DA PAM 385-1	Small Unit Safety Officer/NCO Guide 22 September 1993
DA PAM 40-501	Hearing Conservation Program 10 December 1998
DA PAM 600-67	Effective Writing for Army Leaders 2 June 1986
DA PAM 600-8	Management and Administrative Procedures (Reprinted W/Basic Incl C1) 25 February 1986
DA PAM 611-21	Military Occupational Classification and Structure 31 March 1999
DA PAM 708-2	Cataloging and Supply Management Data Procedures for the Army Central Logistics Data Bank 14 September 2000
DA PAM 710-2-1	Using Unit Supply System (Manual Procedures) (Standalone Pub) 31 December 1997
DA PAM 710-2-2	Supply Support Activity Supply System: Manual Procedures 30 September 1998
DA PAM 738-750	Functional Users Manual for The Army Maintenance Management System (TAMMS) 1 August 1994
DA PAM 738-751	Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A) 15 March 1999

Field Manuals

FM 101-5	Staff Organization and Operations 31 May 1997
FM 21-11	First Aid for Soldiers 27 October 1988
FM 21-305	Manual for the Wheeled Vehicle Driver [AFMAN 24-306] 27 August 1993
FM 22-100	Army Leadership 31 August 1999

FM 24-16	Communications-Electronics Operations, Orders, Records, and Reports 7 April 1978
FM 3-19.30	Physical Security 8 January 2001
FM 4-30.3	Maintenance Operations and Procedures 1 September 2000

Other Product Types

10 CFR 19	US Code of Federal Regulation, Title 10 (Energy) and Part 19 (Notices, Instructions and Reports to Workers: Inspection and Investigations) 1 January 2002
10 CFR 20	US Code of Federal Regulation, Title 10 (Energy) and Part 20 (Standards for Protection Against Radiation) 1 January 2002
10 CFR 21	US Code of Federal Regulation, Title 10 (Energy) and Part 21 (Reporting of Defects and Noncompliance) 1 January 2002
AISM 25-L21-AHN-ZZZ-EM	Standard Army Maintenance System Level 1(SAMS-1) End User Manual 1 June 1997
AISM 25-L26-AHO-ZZZ-EM	Standard Army Maintenance System Level 2 (SAMS-2) 1 June 1997
DA LABEL 163	US Army Limited or Special Calibration 1 December 1977
DA LABEL 80	U.S. Army Calibrated Instrument 1 December 1977
DD FORM 1574	Serviceable Tag - Materiel 1 October 1966
DD FORM 1574-1	Serviceable Label - Materiel 1 October 1966
DD FORM 1575	Suspended Tag - Materiel 1 October 1966
DD FORM 1575-1	Suspended Label - Materiel 1 October 1966
DD FORM 1576	Test/Modification Tag - Materiel 1 October 1966
DD FORM 1576-1	Test/Modification Label - Materiel 1 October 1966
DD FORM 1577	Unserviceable (Condemned) Tag - Materiel 1 October 1966
DD FORM 1577-1	Unserviceable (Condemned) Label - Materiel 1 October 1966
DD FORM 1577-2	Unserviceable (Repairable) Tag - Materiel 1 October 1966
DD FORM 1577-3	Unserviceable (Repairable) Label - Materiel 1 October 1966
DD FORM 173/1	Joint Message Form 1 March 1979
DD FORM 2332	Materiel Deficiency Exhibit 1 May 1984
DD FORM 314	Preventive Maintenance Schedule and Record0001) 1 December 1953
FEDLOG	S&I Cdr, USAMC Logistics Support 1 October 2000
MANUFACTURER'S MANUAL	MANUFACTURER'S MANUAL
MIL-STD 101B	Color Code for Pipelines and Compressed Gas Cylinders. 03 December 1970.
SF 368	Product Quality Deficiency Report 1 October 1985
SOP	SOP
TIMMS USERS GUIDE	Test, Measurement, and Diagnostic Equipment (TMDE) Integrated Material Management System (TIMMS) User's Guide 1 December 1999
USATA MASTER LIST	United States Army TMDE Activity (USATA) Calibration Procedures Master List, Updated quarterly 1 July 2002

Technical Bulletins

ETB 50003	ETB 50003, Model SG-1207/U, Signal Generator 7 August 2000
ETB 50007	ETB 50007, Model 00000/AN/UPM-155, Radar Set 14 June 2001
ETB 50019	ETB 50019, Model 28480/5345AOPT012, Frequency Counter 16 September 1997
ETB 50021	ETB 50021-1.0, 5700 COR W/S, T Level Artifact Calibration 16 September 1997
ETB 65066	ETB 65066, Model AN/PSM-45A, Meter Multi Digital 2 February 2001

ETB 80001	ETB 80001, Model 80009/TEK2465B, Oscilloscope 25 January 1999
TB 11-6625-2942-45	Calibration Bulletin for Test Set, Stablization System TS-3920A/ASM (NSN 6625-01-266-1636) (EIC: N/A) 1 January 1994
TB 11-6625-3263-25	Test Equipment Modernization (TEMOD) Program Guide and Replacement Lists 12 September 2000
TB 11-6665-227-12	Safe Handling, Storage, And Transportation of Calibrator Set, RADIAC, AN/UDM-2 (NSN 6625-00-179-9037) 1 June 1986
TB 380-41	(O) Procedure for Safeguarding, Accounting, and Supply Control of COMSEC Material (Reprinted W/Basic Incl C1) 1 October 1994
TB 385-3	Fire Prevention and Protection: Military Gasoline Cans 7 June 1968
TB 385-4	Safety Requirements for Maintenance of Electrical and Electronic Equipment 1 August 1992
TB 43-0001-SERIES	Equipment Improvement Report and Maintenance Digest for Tank, Automotive, Armament and Chemical Equipment 1 October 2000
TB 43-0002-SERIES	Maintenance Expenditure Limits for various FSC Groups
TB 43-180	Calibration and Repair Requirements for the Maintenance of Army Materiel 1 December 2000
TB 750-25	Maintenance of Supplies and Equipment: Army Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Repair Support (C&RS) Program 1 March 1997
TB 9-4920-361-35	Calibration Procedure for Vertical Display System Line Test Set, Canadian Marconi Model 476-853 and Vertical Display System Bench Test Set, Canadian Marconi Model 476-854 20 February 1984
TB 9-4920-454-35	Calibration Procedure for Tester, Exhaust Gas Temperature Howell Instruments, Inc., Model BH112JB-() 6 January 1998
TB 9-4920-459-35	Calibration Procedure For PITOT And Static Systems Tester Druck, Model TS-4463()/P 1 October 2001
TB 9-4931-228-35	Calibration Procedure for Compound and Vacuum Gages, Marsh, Types 2 and 3, and Schroeder Brothers Corporation, Model GS-5 15 October 1990
TB 9-4931-523-35	Calibration Procedure for Attenuators, Fixed and Variable (10 MHz to 40 GHz) (General) (This Item is Included on EM 0172) 18 December 1991
TB 9-4931-537-35	Calibration Procedure for Cross-Checks, Intercomparisons, And Visual Inspections 2 May 2002
TB 9-5120-202-35	Calibration Procedures for Torque Wrenches and Torque Screwdrivers (General) (Reprinted W/Basic Incl C1-4) (This Item is Included on EM 0062 & 0172) 9 April 1985
TB 9-5210-204-35	Calibration Procedure for Micrometer Caliper, Type I, Class I, Style A, B, C and D and Type I Class 2, Style A, D, and C (GGG-C-105) and (GGG-C-105B) 7 June 1985
TB 9-5210-207-50	Calibration Procedure for Micrometers, Inside (General) (Reprinted W/Basic Incl C1) 20 July 1976
TB 9-5210-208-35	Calibration Procedure for Vernier Calipers, Types 1, Classes 1, 2, and 3 30 October 1988
TB 9-6625-1932-35	Calibration Procedure for Power Sensors and Thermistor Mounts 10 MHZ to 40 GHZ (General) 16 December 1996
TB 9-6625-1996-35	Calibration Procedure for Frequency Counter, Hewlett-Packard Models 5345A and 5345A/E28 (This Item is Included on EM 0172) 13 November 1995
TB 9-6625-2153-35	Calibration Procedure for Resistance Decades and Resistance Standards (General) (This Item is Included on EM 0172) 4 November 1996

TB 9-6625-2182-35	Calibration Procedure for Signal Generator, SG-1207/U (Hewlett-Packard, Model 8642M) (This Item is Included on EM 0172) 28 August 1995
TB 9-6625-2190-35	Calibration Procedures for Digital Multimeter, AN/PSM-45A (This Item is Included on EM 0172) 19 December 1994
TB 9-6625-2250-35	Calibration Procedure for Spectrum Analyzer, AN/USM-489A 14 July 2000
TB 9-6625-2285-50	Calibration Procedure for Fuel Quantity System Test Set Simmonds Precision/JC Air, Model PSD 60-1AF 2 August 1993
TB 9-6625-2295-35	Calibration Procedures for Oscilloscope, OS-288/G (Tektronix, Types 2465B) and Tektronix, Types 2465B OPT 46 and 2467B (This Item is Included on EM 0172) 13 January 1997
TB 9-6625-2296-35	Calibration Procedure for Radio Test Set AN/GRM-114B & TS-4317/GRM 20 January 1998
TB 9-6625-2297-35	Calibration Procedure for Power Meter Hewlett-Packard, Model 437B 28 June 1993
TB 9-6625-2309-35	Calibration Procedure Manual for Optical Fiber Test Set, TS-4320(P)/G 5 August 1996
TB 9-6625-2310-35	Calibration Procedure for AVA Calibration Test Set, Scientific-Atlanta, Inc., Part Number 29085800 8 November 1994
TB 9-6635-203-35	Calibration Procedure for Dial Indicating Tensiometers MIL-T-7638 and MIL-T-38760 21 September 1985
TB 9-6670-251-35	Calibration Procedure for Resiliency Testers (General) (This Item is Included on EM 0172) 14 February 1984
TB 9-6670-258-35	Calibration Procedure for Aircraft Weighting Kit, BLH, Model C1 and Revere Models C7500, C55800-4-25, C46500, CS7, C55800-3-50, and 155-800-000 10 April 1992
TB 9-6685-314-35	Calibration Procedure for Self-Indicating Thermometers (Celsius and Fahrenheit) 8 June 1988
TB 9-6685-319-35	Calibration Procedure for Dial Indicating Pressure Gages (General) 27 June 1988
TB 9-6685-327-35	Calibration Procedure for Vacuum and Pressure Gages (0 to 120 Inches of Water) 3 April 1989
TB MED 523	Control of Hazards to Health form Microwave and Radio Frequency Radiation and Ultrasound 15 July 1980
TB MED 524	Occupational and Environmental Health: Control of Hazards to Health From Laser Radiation 20 June 1985

Technical Manuals

TM 11-6625-2942-13	Operator's and Aviation Unit and Intermediate Maintenance Manual for Test Set, Stabilization System TS-3920B/ASM (NSN 6625-01-266-1636) (EIC: N/A) P/N 70700-20650-047 15 August 1993
TM 11-6625-3165-14	Operator's, Organizational, Direct Support, and General Support Maintenance Manual for Signal Generator SG-1207/U (Hewlett-Packard Model 8642M) (NSN 6625-01-233-8615) (This Item is Included on EM 0068) 1 March 1987
TM 11-6625-3234-40	General Support Maintenance Manual for Oscilloscope OS-288/G (Tektronix Model 2465B) (NSN 6625-01-272-8054)(EIC: N/A) 15 September 1991
TM 11-6625-3244-40	General Support Maintenance Manual for Radio Test Set TS-4317/GRM (NSN 6625-01-309-2825) (EIC: N/A) (TM 09311A-40/2) 5 April 1994

TM 11-6625-3245-40	General Support Maintenance Manual for Radio Test Set AN/GRM-114B (NSN 6625-01-309-2824) (EIC: N/A) (TM 09419A-40/2) 5 April 1994
TM 11-6625-3250-12	Operator's and Unit Maintenance Manual for Spectrum Analyzer AN/USM-489A (NSN 6625-01-259-1060) EE393-BZ-OMI-010/ANUSM-489A 1 January 1991
TM 11-6625-3271-12	Operator's and Unit Maintenance Manual for Optical Fiber Test Set TS-4320(P)/G (NSN 6625-01-355-4087) (EIC: N/A) (This Item is Included on EM 0068) 15 September 1993
TM 11-6625-3271-40	General Support Maintenance Manual for Optical Fiber Test Set TS-4320(P)/G (NSN 6625-01-355-4087) (EIC: N/A) (This Item is Included on EM 0068) 1 May 1995
TM 11-6665-227-12	Operator's and Organizational Maintenance Manual for Calibrator Set, RADIAC, AN/UDM-2 (NSN 6665-00-179-9037) (Reprinted W/Basic Incl C1-4) 13 June 1975
TM 1-6625-724-13&P	Operator's, Aviation Unit, and Intermediate Maintenance Manual Including Repair Parts and Special Tools List for Test Set, Aviation Vibration Analyzer (AVA) With Version 7.01 PN 29313107 (NSN 6625-01-282-3746) 7 March 2002
TM 1-6625-736-13&P	Operator's and Aviation Intermediate Maintenance Manual (Including Repair Parts and Special Tools List) for Test Set, Electronic P/N 29085800 (NSN 6625-01-347-8667) 31 March 1995
TM 38-L09-11	Functional Users Manual for Maintenance Reporting and Management (MRM)(S&I CDR, USALOGC, ATTN: ATCL-SP, FT LEE, VA 23801-6000) 4 February 1985
TM 43-6625-912-12	Operator's and Unit Maintenance Manual for Test Set, Radar AN/UPM-155 (NSN 6625-01-307-0512) (EIC: N/A) 23 August 2000
TM 55-4920-401-13&P	Operator's, Aviation Unit and Aviation Intermediate Maintenance Manual (Including Repair Parts and Special Tool Lists) for Tester, Exhaust Gas Temperature, Model BH112JB-53, (NSN 4920-00-372-4593) (BH112JB-79) (NSN 4920-01-209-0664) 15 November 1979
TM 55-4920-413-13&P	Operator and Aviation Unit Maintenance Manual including Repair Parts and Special Tools List for Instrument Display System Line Test Set 476-853 (NSN 4920-01-112-5906) (Reprinted W/Basic Incl C1-2) 1 November 1986
TM 5-6115-271-14	Operator's, Organizational, Direct Support, and General Support Maintenance Manual for Generator Set, Gasoline Engine Driven, Skid Mounted, Tubular Frame, 3 kW, 2 Phase AC, 120/208 and 120/240 V, 28, VDC (Less Engine) 3 August 1976
TM 5-6115-423-15	Operator, Organizational, Direct and General Support and Depot Maintenance Manual for Load Bank, 0.30 KW, AC, Portable, Skid MTD (Sun Electric Corp, Model GPT-3D-1)(NSN 6115-00-964-1091) and (Sun Electric Corp, Model GPT-3D)(6115-00-903-817 10 August 1967
TM 5-6115-440-10	Operator's Maintenance Manual: Generator Set, 7.5 kW, Air Cooled, Two-Wheel Mounted, Pneumatic Tires 2 February 1971
TM 5-6115-465-12	Operator's and Organizational Maintenance Manual for Generator Set, Diesel Engine Driven, Tactical Skid Mounted, 30 KW, 3 Phase, 4 Wire, 120/208 and 240/416 V (DOD Model MEP-005A), Utility Class 50/60 HZ (NSN 6115-00-118-1240) 31 January 1975
TM 5-6115-545-12	Operator's and Organizational Maintenance Manual for Generator Set, Diesel Engine Driven, Tactical Skid MTD, 60 kW, 3 Phase, 4 Wire, 120/208 and 240/416 Volts, DOD Model MEP-006A, Utility Class, 50/60HZ (NSN 6115-00-118-1243) DOD Model MEP- 10 June 1973

TM 5-6115-584-12	Operator and Organizational Maintenance Manual for Generator Set, Diesel Engine Driven, Tactical, Skid Mounted, 5 kW 22 July 1977
TM 5-6115-585-12	Operator and Organizational Maintenance Manual for Generator Set, Diesel Engine Driven, Tactical, Skid Mounted, 10 kW 25 July 1977
TM 5-6115-586-12	Operator's and Organizational Maintenance Manual: Power Plant, Utility (MUST), Gas Turbine Engine Driven 5 June 1972
TM 5-6115-590-12	Operator's and Organizational Maintenance Manual: Power Plant, Utility (MUST), Gas Turbine Engine Driven 29 March 1977
TM 5-6115-593-12	Operator and Organizational Maintenance Manual: Generator Set, Diesel Engine Driven, Tactical Skid Mounted, 500 kW 17 July 1990
TM 5-6115-596-14	Operator's, Organizational, Direct Support and General Support Maintenance Manual for Generator Set, Gasoline Engine Driven, 4.2 kW 20 June 1980
TM 5-6115-600-12	Operator's and Organizational Maintenance Manual for Generator Set, Diesel Engine Driven, Tactical, Skid Mounted, 100 kW 1 February 1982
TM 5-6115-612-12	Operator's and Unit Maintenance Manual Gas Turbine Engine Driven Aviation Generator Set 19 November 1987
TM 5-6115-614-12	Operator and Organizational Maintenance Manual: Generator Set, Diesel Engine Driven, Tactical, Skid Mounted, 200 kW 15 July 1986
TM 5-6115-615-12	Operator and Organizational Maintenance Manual: Generator Set, Diesel Engine Driven, Tactical and Skid Mounted, 3 kW 31 July 1987
TM 5-6115-629-14&P	Operator, Unit, Intermediate, Direct Support and General Support Maintenance Manual (Including Repair Parts and Special Tools List) for Power Plant AN/AMJQ-12A (NSN 6115-00-257-1602) (2) MEP-006A, 60KW, 60HZ, Generator Sets (2) M200A1 2-Wh 17 June 1988
TM 9-6115-464-12	Operator and Unit Maintenance Manual for Generator Set, Diesel Engine Driven, Tactical Skid MTD 15 KW, 3Phase, 4 Wire, 120/208 and 240/416 Volts DOD Model MED-004A Utility Class 50/60 Hertz(NSN 6115-00-118-1241) DOD Model MEP-103A Precise 30 July 1993
TM 9-6115-641-10	Operator's Manual for Generator Set Skid Mounted, Tactical Quiet 5 KW 30 December 1992
TM 9-6115-642-10	Operator's Manual for Generator Set, Skid Mounted, Tactical Quiet, 10 KW 30 December 1992
TM 9-6115-643-10	Operator's Manual, Generator Set, Skid Mounted, Tactical Quiet 15Kw 30 December 1992
TM 9-6115-644-10	Operator's Manual, Generator Set, 30 Kw, Skid Mounted, Tactical Quiet 30 July 1983
TM 9-6115-644-24	Unit, Direct Support And General Support Maintenance Manual For Generator Set, Skid Mounted, Tactical Quiet 30 KW, 50/60 And 400 HZ MEP-805A (50/60 HZ) (NSN 6115-01-274-7389) MEP-815A (400 HZ) (6115-01-274-7394) 30 April 1995
TM 9-6115-645-10	Operator's Manual, Generator Set, Skid Mounted, Tactical Quiet, 60 Kw 30 July 1993
TM 9-6115-663-13&P	Opertor, Unit, and Direct Support Maintenance Manual Including Repair Parts and Special Tools List for Power Unit, Diesel Engine Driven, 2.5 Ton Trailer-Mounted, 6.0 KW, 50/60 HZ, PU-805 15 October 1993
TM 9-6695-239-14	Operator's, Unit, Direct Support, And General Support Maintenance Manual For Calibration Set, Secondary Transfer Standards Model NO. AN/GSM-705( ) NSN 6695-01-473-1473 30 September 2002

Training Circulars

TC 43-4	Commander's and Shop Officer's Guide for Support Maintenance Management 8 May 1996

Related Publications

Related publications are sources of additional information. They are not required in order to understand this publication.

Army Regulations

AR 200-1	Environmental Protection and Enhancement 21 February 1997
AR 220-45	Duty Rosters 15 November 1975
AR 25-50	Preparing and Managing Correspondence 5 March 2001
AR 380-15	(C) Safeguarding Classified NATO Information(U) 1 March 1984
AR 380-19	Information Systems Security 27 February 1998
AR 380-40	(O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U) 30 June 2000
AR 385-40	Accident Reporting and Records (This Item is Included on EM 0001) 1 November 1994
AR 5-12	Army Management of the Electromagnetic Spectrum 1 October 1997
AR 702-7	Product Quality Deficiency Report Program [DLAR 4155.24; Secnavinst 4855.5A; AFR 74.6] (This Item is Included on EM 0001) 20 July 1993
AR 702-7-1	Reporting of Product Quality Deficiencies Within the US Army (This Item is Included on EM 0001) 15 August 1980
AR 710-1	Centralized Inventory Management of the Army Supply System 1 March 2001
AR 710-2	Inventory Management Supply Policy Below the Wholesale Level 31 October 1997
AR 750-1	Army Materiel Maintenance Policy and Retail Maintenance Operations 1 August 1994

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DA FORM 2064	Document Register for Supply Actions 1 January 1982
DA FORM 2404	Equipment Inspection and Maintenance Worksheet 1 April 1979
DA FORM 2407	Maintenance Request 1 July 1994
DA FORM 2765-1	Request for Issue or Turn-in (This Item is Included on EM 0001) 1 April 1976
DA FORM 3161	Request for Issue or Turn-In (This Item is Included on EM 0001) 1 May 1983
DA FORM 3318	Records of Demands-Title Insert 1 January 1982
DA FORM 638	Recommendation for Award (This Item is Included on EM 0001) 1 November 1994

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DA PAM 190-51	Risk Analysis for Army Property 30 September 1993
DA PAM 200-1	Handbook for Environmental Impact Analysis (GPO SN: 0820-00551-7) (This Item is Included on EM 0001) 1 April 1975

DA PAM 25-1-1	Installation Information Services 27 August 1991
DA PAM 25-380-2	(O) Security Procedures for Controlled Cryptographic Items 10 January 1991
DA PAM 710-2-1	Using Unit Supply System (Manual Procedures) (Standalone Pub) 31 December 1997
DA PAM 710-2-2	Supply Support Activity Supply System: Manual Procedures 30 September 1998
DA PAM 738-750	Functional Users Manual for The Army Maintenance Management System (TAMMS) 1 August 1994
DA PAM 738-751	Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A) 15 March 1999
DA PAM 750-1	Leader's Unit Level Maintenance Handbook (This Item is Included on EM 0001) 15 February 1994

Field Manuals

FM 100-10	Combat Service Support 3 October 1995
FM 24-33	Communications Techniques: Electronic Counter-Countermeasures 17 July 1990
FM 25-100	Training The Force 15 November 1988
FM 25-4	How to Conduct Training Exercises 10 September 1984
FM 25-5	Training for Mobilization and War 25 January 1985
FM 3-04.500	Army Aviation Maintenance 26 September 2000
FM 3-25.26	Map Reading and Land Navigation 20 July 2001
FM 34-60	Counterintelligence 3 October 1995
FM 4-30.3	Maintenance Operations and Procedures 1 September 2000
FM 5-424	Theater of Operations Electrical Systems 25 June 1997

Other Product Types

AISM 25-L21-AHN-ZZZ-EM	Standard Army Maintenance System Level 1(SAMS-1) End User Manual 1 June 1997
DD FORM 314	Preventive Maintenance Schedule and Record0001) 1 December 1953
EM 0103	TM 9-6625-SPORT/CTS, Interactive Electronic Technical Manuals for Test Set, Electronic Systems, AN/PSM-80, Test Set Electronic System, AN/PSM-95 (This Product Includes the Following Items) TM 9-6625-2298-12&P (010430) TM 9-6625-2298-30&P 30 April 2001
MANUFACTURER'S MANUAL	MANUFACTURER'S MANUAL
SF 700	Security Container Information 1 August 1985
SF 702	Security Container Check Sheet 1 August 1985

Soldier Training Publications

STP 21-1-SMCT	Soldier's Manual Of Common Tasks Skill Level 1 1 October 1994
STP 21-24-SMCT	Soldier's Manual Of Common Tasks (SMCT) Skill Level 2-4 1 October 1992

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TB 380-41	(O) Procedure for Safeguarding, Accounting, and Supply Control of COMSEC Material (Reprinted W/Basic Incl C1) 1 October 1994
TB 385-4	Safety Requirements for Maintenance of Electrical and Electronic Equipment 1 August 1992
TB 43-0129	Safety Requirements for Use of Antenna and Mast Equipment (This Item is Included on EM 0161) 15 June 1986

TB 43-180	Calibration and Repair Requirements for the Maintenance of Army Materiel 1 December 2000
TB 750-25	Maintenance of Supplies and Equipment: Army Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Repair Support (C&RS) Program 1 March 1997
TB 9-4910-555-35	Calibration Procedure for Simplified Test Equipment For Internal Combustion Engine (STE/ICE-R) (This Item is Included on EM 0172) 6 January 1997
TB 9-4910-556-35	Calibration Procedure for STE-M1/FVS Test Set 22 January 1996
TB 9-4931-533-50	Calibration Procedure for Attenuator and Signal Generator Calibrator, Weinschel Engineering, Model VM-4A (Reprinted W/Basic Incl C1-3) (This Item is Included on EM 0172) 15 May 1987
TB 9-6625-2321-35	Calibration Procedure for Digital Multimeter National Instruments, Model DAQCARD-4050 14 September 1998

Technical Manuals

TM 11-6625-3165-14	Operator's, Organizational, Direct Support, and General Support Maintenance Manual for Signal Generator SG-1207/U (Hewlett-Packard Model 8642M) (NSN 6625-01-233-8615) (This Item is Included on EM 0068) 1 March 1987
TM 38-L09-11	Functional Users Manual for Maintenance Reporting and Management (MRM)(S&I CDR, USALOGC, ATTN: ATCL-SP, FT LEE, VA 23801-6000) 4 February 1985
TM 43-4920-910-12	Operator's and Unit Maintenance Manual for Tester, PITOT and Static Systems TS-4463/P (NSN 4920-01-388-6790) (EIC: N/A) (Reprinted W/ Basic Incl C1) 5 March 1997
TM 43-4920-910-40	General Support Maintenance Manual for Tester, PITOT and Static Systems TS-4463/P (NSN 4920-01-388-6790) (EIC: N/A) 10 December 1997
TM 5-6115-440-20	Organizational Maintenance Manual: Generator Set, 7.5 kW, 28 VDC, GED, Air Cooled, Two-Wheel Mounted, Pneumatic Tires 2 February 1971
TM 5-6115-465-34	Intermediate (Field) (Direct Support and General Support) and Depot Level Maintenance Manual: Generator Set, Diesel Engine Driven, Tactical Skid Mounted, 30 kW, 3 Phase, 4 Wire, 120/208 and 240/416 V, (DOD Model MEP-005A), Utility, 50/60 Hz 31 January 1975
TM 5-6115-545-34	Intermediate (Field) (Direct and General Support) and Depot Maintenance Manual Generator Set, Diesel Engine Driven, Tactical Skid Mtd, 60 kW, 3 Phase, 4 Wire, 120/208 and 240/416 Volts, DOD Models MEP-006A, Utility Class, 50/60 Hz, (NSN 61 10 June 1973
TM 5-6115-584-34	Intermediate (Field) DS/GS and Depot Level Maintenance Manual for Generator Set, Diesel Engine Driven, Tactical Skid Mounted, 5 kW, 1 Phase, 2 Wire, 1 Phase, 3 Wire, 3 Phase, 4 Wire, 120, 120/240 and 120/208 V (DOD Model MEP-002A), Utility 22 July 1977
TM 5-6115-585-34	Intermediate (Field) (Direct and General Support) and Depot Level Maintenance Manual for Generator Set, Diesel Engine Driven, Tactical Skid Mounted, 10 kW, 1 Phase, 2 Wire, 1 Phase, 3 Wire, 3 Phase, 4 Wire, 120, 120/240 and 120/208 V (DOD M 25 July 1977
TM 5-6115-590-34	Direct Support and General Support Maintenance Manual for Power Plant Utility (MUST) Gas Turbine Engine Driven 12 May 1977
TM 5-6115-600-34	Intermediate (Field) DS/GS and Depot Level Maintenance Manual for Generator Set, Diesel Engien Driven, Tactical Skid Mounted, 100 kW, 3

	Phase, 4 Wire, 120/208 and 240/416 V (DOD Model MEP-007B), Class Utility, 50/60 Hz Including Optional Ki 1 February 1982
TM 5-6115-612-34	Intermediate (Field), (Direct and General Support) and Depot: Maintenance Manual, Generator Set, Aviation, Gas Engine Driven, Integral Trailer Mounted, 10 kW, 28 Volts DOD Model MEP-362A, Precise, DC 25 July 1988
TM 5-6115-615-34	Intermediate (Field) DS/GS Maintenance Manual: Generator Set, Diesel Engine Driven, Tactical Skid Mounted, 3 kW, 3 Phase, 120/208 and Single Phase 120/240 VAC and 28 V DS, DOD Model MEP-016B, Class Utility, Mode 60 Hz; DOD Model MEP-021B, C 31 July 1987
TM 750-245-4	Direct Support and General Support for Quality Control Inspector's Inspection Criteria (This Item is Included on EM 0178) 25 January 1971
TM 9-2815-252-24	Unit, Direct Support and General Support Maintenance Instructions for Diesel Engine Model DN2M 1 September 1993
TM 9-2815-254-24	Unit, Direct Support and General Support Maintenance Instructions for Diesel Engine Model C-240PW-28 1 September 1993
TM 9-2815-256-24	Unit, Direct Support, and General Support Maintenance Instructions 15 September 1993
TM 9-4910-571-12&P	Operator's and Organizational Maintenance Manual Including Repair Parts and Special Tools List for Simplified Test Equipment for Internal Combustion Engines (Reprinted W/Basic Incl C1-2)(This Item is Included on EM 0068) 25 March 1988
TM 9-4910-751-14&P	Operator, Unit, Direct Support Maintenance Manual for Test Set, STE-M1/FVS (NSN 6625-01-135-4389) (4910-01-135-4379)(4910-01-142-2640) 28 May 1991
TM 9-4931-526-34P	Direct Support and General Support Maintenance Repair Parts and Special Tools List for Receiver, Radio Frequency (Weinschel Model VM-4A) (NSN 4931-01-041-1564) and Tracking Oscillator (Wienschel Model VM-4A/HO-2) (6695-01-102-4342) 15 January 1985
TM 9-6115-542-24&P	Unit, Direct Support and General Support Maintenance Manual Including Repair Parts and Special Tools List (RPSTL) for External Auxiliary Power Unit (EAPU)(NSN 6115-01-369-7465)(12387361) [TM 9-6115-24&P/1] (This Item is Included on EM 0069) 17 May 1999
TM 9-6115-545-24P	Unit, Direct and General Support, and DEPOT Maintenance Repair Parts and Special Tools List for Generator Set, Diesel Engine Driven, Tactical, Skid Mtd, 60 KW, 3 Phase, 4 Wire, 120/208 and 240/416 Volts, DOD Models MEP-006A Utility Class, 28 June 1995
TM 9-6115-624-BD	Battlefield Damage Assessment and Repair for Generators (This item is included on EM 0086) 28 September 1990
TM 9-6115-641-24	Unit, Direct Support and General Support Maintenance Manual for Generator Set, Skid Mounted, Tactical Quiet 5 KW 1 September 1993
TM 9-6115-642-24	Unit, Direct Support and General Support Maintenance Manual for Generator Set, Skid Mounted, Tactical Quiet, 10KW 1 September 1993
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TM 9-6115-645-24	Unit, Direct Support and General Support Maintenance Manual for Generator Set, Skid Mounted, Tactical Quiet 60KW 1 September 1993
TM 9-6695-240-14	Operator's, Unit, Direct Support, And General Support Maintenance Manual For Calibration Set, Secondary Transfer Standards Model NO. AN/GSM-421( ) NSN 6695-01-473-1469 30 September 2002

Training Circulars

TC 3-34.489	The Soldier and The Environment 8 May 2001

TC 43-4	Commander's and Shop Officer's Guide for Support Maintenance Management 8 May 1996

STP 9-35H14-SM-TG
23 DECEMBER 2002

By Order of the Secretary of the Army:

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PIN: 046221-000